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SESSIONAL PAPERS

VOL. LXXII.—PART III

FIFTH SESSION

OF THE

TWENTIETH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

393285
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SESSION 1940

TORONTO
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1941

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REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 8 — 1940

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ONTARIO

TORONTO
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1940

To:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1939.

Respectfully submitted,

MITCHELL F. HEPBURN,
Acting Minister of Public Works.

Department of Public Works, Ontario,
Toronto, February 9, 1940.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE MITCHELL F. HEPBURN,
Prime Minister and Acting Minister of Public Works.

Sir:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Purchasing Agent, and Accountant, for the financial year, April 1, 1938 to March 31, 1939:

ARCHITECT'S BRANCH

In addition to the regular maintenance and repairs of the Legislative and Departmental Buildings, the Architect's Branch has been engaged in an extensive and necessary programme of repairs and alterations to public buildings, chiefly in connection with the Court Houses, Gaols, and other Government Buildings in the Northern Districts, details of which are contained in the Architect's report.

The construction of new hospital units and other buildings has been the largest programme of new construction undertaken by this Department, there being in various stages of construction, twenty-seven new buildings under way during this fiscal year, as well as the necessary works for providing sewers, drains, water mains, connecting passages, heating mains, electric and telephone service, and also the construction of fish hatchery ponds. The planning, co-ordination and supervision of this work has required exacting services from the Architectural staff.

ENGINEER'S BRANCH

This Branch, which functioned in the Department of Highways during the financial year, 1937-38, was transferred back to this Department, April 1, 1938. The report of the Engineer contains details of the maintenance of locks, dams, docks and other works for improving the channels of navigation. Ten drainage schemes were carried out in the Northern Districts and the Townships of Harwich and Pelee received grants in accordance with the Provincial Aid to Drainage Act.

In accordance with the Grand River Conservation Act passed during the 1938 Session, the Honourable the Minister of Public Works called the first meeting of the Commission on June 27, 1938 at Fergus, for organization purposes.

The Commission adopted the recommendations of the Engineer, Mr. H. G. Acres, which calls for the construction of a high dam across the Grand River Valley, known as the Shand site, which will impound an estimated quantity of 55,000 acre feet of water and a smaller dam across the outlet of the Luther Marsh, which will impound an estimated quantity of 10,000 acre feet of water.

The estimated cost of these works is $2,000,000, the funds being contributed as follows:

Province of Ontario	37½%
Dominion of Canada	37½%
Interested Municipalities	25 %

The prelimary organizing and engineering has been carried out and the Commission is ready to proceed with a large amount of construction during the next financial year.

OFFICE OF THE SECRETARY

Thirty-eight contracts were awarded—six in connection with alterations and thirty-two for new construction.

OFFICE OF THE ACCOUNTANT

The expansion in new construction is reflected in the comparison of total expenditures for the previous fiscal year:

SUMMARY OF EXPENDITURES

Ordinary	$ 734,365.19	$ 781,443.29
Capital	2,015,118.07	4,850,461.77
	$2,749,483.26	$5,631,905.06

I have the honour to be, Sir,

Your obedient servant,

R. A. McAllister,
Deputy Minister of Public Works.

TORONTO, February 8, 1940.

REPORT OF THE ARCHITECT

The Honourable M. F. Hepburn,
Prime Minister and Acting Minister of Public Works.

Sir,—

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year, April 1st, 1938 to March 31st, 1939.

Government House:

This building was closed and discontinued as the official residence of the Lieutenant Governor in December, 1937. Such furniture and furnishings and other equipment suitable for the furnishing of the suite being prepared for the Lieutenant Governor in the Parliament Buildings, were removed and the remainder of the furniture and furnishings was disposed of by public auction in June, 1938. By an Order-in-Council, dated November 3rd, the property was deeded, without cost, to the Trustees of the Hospital for Sick Children, Toronto.

Parliament Buildings:

The buildings, including the Parliament Buildings, East Block, Numbers 11, 15, and 39 Queen's Park; Highways' and Provincial Police Garages, 112 College Street, Liquor Control Board Offices at 454 University Avenue, and the Labour Bureau at 70 Lombard Street, have been kept in good repair.

In the Parliament Buildings, the suite prepared for the Lieutenant Governor was occupied by him on the 19th of April. In preparation for the coming visit of Their Majesties, the King and Queen, alterations were made to the lighting of the grand staircase by closing up the clerestory windows and lighting by artificial light. The entrance hall on the ground floor, the grand staircase, the foyer at the entrance to the Legislative Chamber and the corridor to the library were redecorated under contract. Several of the original lighting fixtures have been remodelled and modern lighting fixtures were designed to light the grand staircase. The obsolete plumbing fixtures and plumbing and electric wiring in the Prime Minister's wash room were removed and modern fixtures were installed and the room redecorated. The men's lavatory at the west end on the first floor was entirely remodelled; old obsolete fixtures, unsanitary wood partitions and cement floors were removed and were replaced by modern fixtures, marble partitions, marble dadoes and terrazzo floors.

Alterations were made in the Members' cloak room to provide rooms for the Sergeant at Arms and the Barber's shop and in the latter, new plumbing, piping and a new basin were installed.

Alterations were made to improve the ventilation for the basement kitchen and cafeteria and the Ministers' dining room and servery, cafeteria servery, Speaker's kitchen and kitchen of apartment on the fourth floor, by the installation of ducts with a ventilating fan in the roof space of the west wing.

In the Post Office and halls, dangerous plaster ceilings have been taken down and replastering done on metal lath. Much furniture has been repaired, renovated and refinished and considerable upholstery has been done by the staff mechanics. The lighting of a number of offices has been improved by repainting venetian blinds in cream colour. Considerable repairs have been made to the flashings and slating of roofs and renewals have been made in gutters.

In the East Block repairs were made to stone work; taking down stone parapet walls at roofs and at outside entrance steps and resetting stone and pointing up, and resetting stones in wall face work, where these had moved and required to be repointed, using water-proof cement compound for pointing. Improvements in accommodation for the Motor Vehicles Branch, Department of Highways, were made by remodelling the north east wing of the basement to provide offices connected by a direct communicating stair with the Motor Vehicles License offices above. An hydraulic dumb waiter was also installed here to carry the heavy motor car markers to the main distributing offices over. The Public Works store room was moved to the sub-basement in the centre of the main building to make way for these alterations. The telephone room for the Motor Vehicles Branch was also remodelled and a new record stand and telephone system was installed to speed up the service. A room has been provided and equipped with lockers for the uniformed attendants. On the sixth floor a dark room has been built and equipped for the Department of Forestry.

At 454 University Avenue, painting of the exterior woodwork and metal work was done under contract. The ceilings of several offices and hallways were in a dangerous condition and plaster was continually falling: New suspended ceilings of metal lath and plaster were installed and acoustically treated to reduce noise. All rooms and corridors, where ceilings were replastered, were painted under contract. Metal windows were overhauled and repaired throughout and sheet metal repairs were made to roofs and cornice.

The Department of Health Sewage Laboratory, at 807 Richmond St. W. New window screens have been installed on several windows and other screens repaired. Repairs have been made to the outside walls with new siding.

At the Employment Service, 70 Lombard Street, interior alterations were made, re-arranging wood screen partitions.

Osgoode Hall:

The large vault off the main hall, first floor, has been remodelled and the room fitted up as a court room for the Assistant Master of the Supreme Court. The walls and ceilings of the two main staircases have been redecorated and the stone work cleaned off and restored and several of the Judges' offices have been redecorated. Repairs of an extensive nature have been made to plumbing piping and repairs to the building generally and to furniture have been done.

The new heating plant installed has proved to be satisfactory and the heating improved.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

The library and adjoining room and halls of administration section were painted under contract. A new galvanized iron roof covering over the auditorium, new gutters and downpipes were put on under contract.

Normal School, Hamilton:

A tool shed was erected for gardeners. Changes were made on the pole line for incoming service. Remodelling of the plumbing in the boys' lavatory and installing of new fixtures has been done. Painting, by contract, was done in several classrooms. New boundary chain link fences and gates have been installed to enclose the west end of property where lane was diverted. The wood boundary fence along the west boundary of the property was replaced by wire fence on cedar posts.

Normal School, London:

New birch floors were laid on hallways of second floor to replace splintering B.C. fir. Changes were made to the plumbing in the girls' lavatory and new fixtures were installed. Several classrooms have been painted. Minor repairs, including skylight and other roof repairs were made.

Normal School, North Bay:

Class room floors and hall floors and stairs were sanded and finished. General repairs were made throughout, including repairs to boiler arches and stoker. New locks were supplied to lockers.

Normal and Model Schools, Ottawa:

New fire escape was installed from the Assembly Hall, and exit doors fitted with panic bolts. The wood fence on the north boundary was replaced by chain link fence. Painting was done in eight class rooms and on roof deck and other minor repairs were made to the roof. The area wall at the boiler house was rebuilt in reinforced concrete.

Normal School, Peterborough:

The area of ground, added some time ago to the school grounds, has been enclosed with fencing. Some painting and minor repairs to plaster have been done.

Normal School, Stratford:

The lecture room gallery was removed and the room fitted up as a chemical laboratory, while the old chemical laboratory was dismantled and refitted with assembly chairs as a lecture room. This improvement is similar to that made in the Normal Schools North Bay and Hamilton some time ago.

Ontario School for Deaf, Belleville:

The driveways were resurfaced with asphaltic compound by the Roads Resurfacing Company under contract. Repairs were made to the marble work of lavatories; new flooring was laid in the Engineer's house and other general repairs were made. The girls' dormitory exterior woodwork and iron work were painted. A new roof was laid on flat roof of dining hall. Furnace walls in boiler room were rebuilt and repairs made to boilers.

The Ontario School for Blind, Brantford:

Repairs have been made to the brickwork and to roofs and painting of rooms in the main building has been done. Fly screens have been renewed. A water softener has been purchased and installed in the laundry. Renewals of faucets and flush valves were made.

Ontario School for Teachers Technical Training, Hamilton:

Considerable painting of class rooms has been done under contract. Repairs to roofs and to stone work has been done and adjustments made to programme electric clocks.

In all the above Educational Buildings the boiler plants and the heating apparatus have been inspected and kept in repair and adjustments made where necessary.

Plans have been examined and reports made to the Department of Education in connection with the following schools throughout the Province and typical plans for the guidance of Rural School Boards have been issued.—

Plans and specifications examined:

Addition to Seaforth Collegiate Institute.
Addition to St. Mary's High School.
Reported on shower room, Indian Residential School, Spanich.
Addition to school building at South Porcupine.
School at Arnprior.
Collegiate Institute, Cornwall.
Woodstock Collegiate Institute.

School Buildings reported on:

Public School building, Bradford.
Blenheim Public School.
Installation of new boiler, Cobalt Public School.
School Section #6 Fullarton.
Safety of High School Building, Listowel.
Separate School Building, New Liskeard.
Ottawa Technical School.
Rawlinson Public School Auditorium, Township of York.
Sewage Disposal, Public School, Russell.
Woodstock Collegiate Building.

Stock sketch plans were issued as follows, for guidance of School Boards:

No. 1. Playfair.
School Section No. 4 McGregor.
Separate School No. 3 Plantagenet North.
School at Minden.
Separate School No. 1 Cartier.
S.S. No. 1 McGarry.
Little Current.
No. 1 Magnetawan.
Separate School No. 1 McKim.
S.S. No. 2 Middleton.
Public School Section No. 7 Elma.
S.S. No. 3 Smith Township.
Consolidated School, Hornpayne.
Public School Section No. 7, Innisfil, Simcoe County.
Public School Section No. 6 Charlotteville (Vittoria).
School at Hawk Junction.
Public School Section No. 1 Missanabie.
School Sturgeon River.
No. 1 Jaffray and Melick, Kenora Area.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

Alterations have been made to the building formerly the Farm Economics building and to the Incubator Building to provide accommodation for research laboratories for animal nutrition and these laboratories have been fully equipped with special equipment and temperature control and air conditioning.

New brick enclosed stair for additional exit was built at the Chemistry Building and the necessary exit door openings provided at each floor.

Repairs were made to the following roofs: A new roof was put on the Piggery Building; repairs were made to the roofs of Macdonald Hall, Administration Building, Power House, Horticulture Building, Chemistry Building, Massey Library and Memorial Hall. Outside painting of the greenhouses has been done. Improvements of an extensive nature have been carried out to Macdonald Hall electric wiring and lighting has been modernized and improved with new electric fixtures of a modern type.

Agricultural School, Kemptville:

The main driveways throughout the grounds were resurfaced with asphaltic compound. The three cottages at the Langstaff farm which were without sanitary conveniences, were remodelled and bathrooms were installed in each. The main water supply was extended to these cottages and they were connected up with the main drainage system; the power line was also extended to these cottages and electric wiring installed in each.

It was found throughout the grounds, that the drains had become considerably choked by tree roots and many of these were taken up and relaid and drains were extended to take care of the installation of a new lavatory in the farm mechanics building.

In the Dairy section of the Main Building, new concrete floors were laid. These were drained and connected up to the main drains. Repairs were made to the heating plant.

Western Experimental Station, Ridgetown:

At the farm, repairs were made principally to the roof of the poultry houses and in the west wing of the Agricultural School, the halls and offices were repainted.

Horticultural Experimental Station, Vinelands:

Only minor repairs to plumbing, painting and roofs were done.

DISTRICT BUILDINGS

Algoma:

The rooms in the Court House were repainted throughout, there being some 33 rooms in all. This work was completed under contract, the plaster work being first repaired in several of these rooms. All exterior woodwork and galvanized iron work of the buildings was painted. Repairs were made to the brick chimneys, the entrance steps, sidewalks, and to galvanized iron work.

Cochrane:

The iron work of the cells under the Court House has been painted and on certain parts of the floors, linoleum was replaced with triple A Battleship linoleum.

At Hearst Jail, a garage was erected for the Police Car.

Kenora:

The Judges' Chambers at Kenora have been redecorated and furnished complete with new furniture to replace the old and dilapidated furniture. New electric fixtures and new blinds have been installed. Considerable repairs have been made to the tower on the roof and a new flag pole has been erected. Several of the floors have been recovered with new linoleum and all exterior woodwork and iron work has been repainted. The court room, Magistrate's office and several other offices, including main halls and corridors have also been painted. Seeds and plants were supplied for the improvement of the grounds of the Court House, to complete part of a scheme begun several years ago.

At the District Jail, repairs only of a minor nature have been made and interior painting has been done by inmates. The water supply to the Jail from Laurison's Lake has been discontinued and a water main has been laid from the Town of Kenora to supply the Jail and the Jailer's house. The cost of materials in connection with this work was paid for by the Department, the work done by the Town of Kenora.

At the Government Building, Sioux Lookout, alterations were made to the basement to give accommodation for prisoners arrested by the Municipal Police and steel cells have been installed. This arrangement has been made to avoid prisoners being brought in by the Provincial Police communicating with those arrested locally by the Municipality. Repairs have been made to the brickwork and to galvanised iron work in connection with these buildings and the windows throughout have been caulked and a new flag pole has been purchased and erected. The building throughout, internally and externally, has been repainted.

Manitoulin:

The buildings, comprising Court House, Registry and Land Titles Offices, Gore Bay have been repainted. The Judges' Chambers have been refurnished to replace the dilapidated furniture, and new carpet, shades, and blinds have been furnished.

At the Jail, improvements were carried out to provide better lighting facilities for the cells and proper ventilation. The interior of the Jail has been painted.

Muskoka:

At the Court House and Registry Office at Bracebridge, the interior has been redecorated and improvements were made in the Court Room by blocking the windows behind the Judges' dais and pannelling the back wall in wood, to overcome the glare in the lighting of the court room. New floors have been laid in the Jailer's house

Nipissing:

Minor repairs only were made throughout the buildings. In connection with the Health Laboratories, a new animal house was erected by the City of North Bay, materials having been supplied by this Department.

Parry Sound:

At Parry Sound, the court house interior was completely repainted under contract. In addition to this, only minor repairs were made to the various buildings.

At the Lock-up at Burks Falls, a new septic tank and effluent beds were installed and a new hot water heating apparatus was put in to replace the hot air system.

Rainy River:

The Judges' Chambers were redecorated and completely refurnished including furniture, carpet, window shades and drapes. The living quarters of the Janitor in the Court House and the Jailer's house were repainted. In addition to this, only repairs of a minor nature were made.

Sudbury:

At the Court House, considerable painting in the interior has been done, including the offices of the Sheriff, Magistrate, Crown Attorney, Police Magistrate, Judges' Chambers and the Registry Office. On the grounds, a new 50 ft. tubular flag pole has been erected

Considerable alterations were made in the basement, by moving the steel cells for men and women and remodelling the space to provide living quarters for the caretaker. The work included the putting in of the necessary bathroom and sink and redecorating throughout and covering the existing concrete floors with battleship linoleum. New tanks throughout were installed in the mens' and womens' lavatories. New blinds were supplied throughout the Court House. The outside chimney stack has been raised to prevent smoke nuisance and to increase the draft. Repairs have been made to the stone work and steps at the east entrance to the Court House and repairs made to the slating of both the Court House and the Registry Office. Alterations were made inside the Jail by removing the dusty top surface floor in the mens' cell block and relaying with terrazzo floor to overcome the dust nuisance. The seven showers in the corridor of the mens' cell block were removed and in place, W.Cs. were installed to overcome the necessity of leaving the cells unlocked during the time the men were in the day space corridor. A new domestic hot water tank was installed and the hot water supply system improved. Extensive repairs were made to the heating system of the Court House and two Inglis all welded steel boilers were installed with two Carbo underfeed stokers and new smoke breeching.

Cells were provided and installed in a Lock-up built at Folyet. These cells were used ones which had been taken from the basement of the court house at Sudbury.

Temiskaming:

The ceilings of the court room have been repainted and improvements have been made by the extension of the dais in the court room and additional shelving has been provided in the library. Additional detention cells were provided for male prisoners in the basement of the Jail and new heater tank has been supplied and paint has been furnished, the work being done by inmate labour.

The Lock-up at Englehart has been repainted and at the Mining Recorder's office at Swastika, improvements have been made by converting the Hearing Room upstairs, into offices and furnishing additional lavatory accommodation. Improvements to the heating have also been made in this building by installing a blower to the furnace.

A contract was awarded to Messrs. Hill-Clark-Francis of New Liskeard for the erection of a Mining Recorder's office and Lock-up at Elk Lake. This is a two storey building of solid brick construction and replaces a frame building used by the Mining Recorder and also replaced a Lock-up at Gowganda. The accommodation provided consists of three cells for men and one cell for two women in the basement and on the first floor a Hearing Room, which is used by the Constable as his office; the Mining Recorder's public office and private room with ample vault accommodation and on the second floor an apartment is provided for the Constable of four rooms and bathroom. Water supply is pumped from the river and drains are provided with septic tank.

Thunder Bay:

At the Court House, Port Arthur, considerable repairs to the plaster work were found necessary and which were done under contract. It was found necessary to remodel the main roof and to alter the slopes and to relay with a built up roof. The carpenter and roofing work were done under contract by Messrs. Wells and Emmerson of Port Arthur. The Judges' Chambers were repainted throughout and completely refurnished. The concrete sidewalk in front of the Court House was relaid and reinforced.

To the District Jail paint was supplied, and the work of painting done by inmate labour. Minor repairs were made, including repairs to the mixing valves on the shower heads. At the Jail a 76 Pascol steel hot water heater was installed.

Improvements were made to the plumbing in the Land Titles Office at Fort William and repairs were carried out to the roof there and the flashings renewed.

Plans and specifications for the proposed Lock-up at Geraldton, referred to in last years report, were modified and tenders were called for a solid brick building, consisting of basement and first floor. The contract for general trades was awarded to the Claydon Co., of Fort William, and the plumbing and heating were done by Messrs. Summers and Darling. The accommodation provided consists of two cells for men and two cells for women and a Hearing Room, which is also used as a Constable's office, and living quarters for the Constable.

ONTARIO HOSPITALS

Brockville:

The upper part of the tower of the Main Building was found to be unsafe and while every consideration was given to save the tower, which was a prominent land mark, it was ultimately decided that it must be removed as far down as the main roof. This was done and the tower roofed over and repairs made to the remaining portion of it. In the Engineer's house a new hot air furnace was installed and improvements were made to the general drainage from Elm Grove by laying new sewers of an increased size.

Cobourg:

Minor repairs were made to the galvanized iron work.

Concord:

The exterior of the building was painted and some of the galvanized iron drains were renewed at the same time.

Fort William:

A new boiler for hot water heating was installed in the Superintendent's residence and a new hot air furnace was installed in the Engineer's residence and an incinerator for burning of garbage was also installed.

Hamilton:

Considerable re-roofing and repairs were made to the roofs of the farm buildings, including the Implement House, small barn, Piggery, Poultry House, Root House, Herdsmen's house and minor repairs to roofs were made on the Orchard House, Main Building, Superintendent's residence and Doctor's residence, also to the laundry. All of this work was done under contract.

Kingston:

Alterations were made on the main building; several tall disused stone chimneys were removed and capped over at the roof level. The upper portion of two towers were also removed and repairs were made to the main roof, including that section of the roof which is laid with copper. The work of replacing old sashes with new to open in for better ventilation, having new guards on the outside for protection, was continued and some 33 windows were dealt with. The work of the construction and installation of lavatories and plumbing work in connection therewith in the main building basement was carried out by the mechanics staff at the Hospital, under the supervision of this Department and all materials in connection with the work were supplied by this Department. New wood floor was laid in the Dining Hall. A fire occurred in the lavatory used by the male kitchen staff and it had to be entirely rebuilt and made fireproof. Improvements were made to the Herdsman's house and Cedar cottage and new floors were laid in the kitchen of the farm cottage; new plumbing was installed and a septic tank. The work of extending the sea wall was done by the mechanics staff of the hospital, under the supervision of this Department, the work being done to protect the outlet of the storm sewer and to protect the roadway there. The roofs throughout the Mowat division were repaired. The extension of the heating tunnel was made to join up with the boiler room in the main building.

London:

In order to improve the water supply, it was found necessary to purge the well, which resulted in bringing the flow back again practically to normal and giving sufficient water. The northern section of the barn roof was re-shingled with asphalt shingles and other minor repairs were made to roofs, including the roof over the north cottage and the roof of the Engineer's house. Wire guards were supplied to the windows of ward 8 in the Main Building.

New Toronto:

In conjunction with the Village of Long Branch, a sludge de-watering equipment was installed, arrangements being that the cost of this equipment and its installation would be borne mutually and this has been done. Plastering was repaired in the Tuberculosis Ward and in the Assembly Hall and in the Nurses' Residence.

Orillia:

The coal trestle on the spur of the Canadian National Railway has been completely overhauled and repaired by that Company, the costs being borne by this Department.

The roof over the north half of the Infirmary Building has been re-roofed with new felt and gravel roof and repairs have been made to the ceilings of the operating and sterilizer room there. Throughout the buildings, considerable patching and repairing has been done to the brickwork of the Main Building and the Laundry Building and general repairing has been done throughout of the slate roofs. Repairs have been made to the flashings and eaves troughing of the Assembly Hall roof.

At Dunn Farm, repairing, by re-shingling, was done to the roofs and new gutters supplied and repairs made to the outside woodwork, including verandah. New Kaustine W.Cs. were installed for the use of the inmates, and new heating apparatus for hot air was provided.

Renewal was made of the heating pipes connecting the north east cottage with the Superintendent's house. These pipes in iron, were found to pit very badly and renewal was made in copper pipe. The new fireproof sun room was completed and occupied. Water softener plant was installed in the laundry.

Penetanguishene:

Repairs were made to the elevated water tank, where the expansion joints had broken, causing very considerable leakage and which had to be renewed. Repairs were made to the stone work of the Criminally Insane Building and stones, where necessary, reset and pointed up. Repairs were also made to the roof of this building. New floors were laid in ward 3 of the Main Building and in the kitchen of the Steward's house, in which other minor repairs were made. The roofs of the carpenters' and Engineer's cottages were re-roofed with asphalt shingles.

Toronto:

Sections of the outside boundary walls on Queen Street, which were in a dilapidated condition, have been entirely pointed up and some sections lowered and repaired with new concrete coping, including the stonework at the entrance gate, which was taken down completely and re-built on new foundations. A new 30" diameter 6' long, 1/4" plate hot water storage tank was supplied and installed.

Psychiatric:

Interior alterations were made in this building to provide accommodation for carrying on of research work in conjunction with the Banting Institute and two rooms were set aside, specially insulated, against electrical disturbances.

Whitby:

Extensive re-roofing has been carried out in connection with the roofs of the Dining Hall number 2, Root House, two Poultry Houses and the west section of the Piggery. Eavestrough have been replaced on Cottages 2, 3, 14 and 16 and two new skylights have been placed over number 2 Dining Hall to replace one large skylight. Improvements were carried out to Cold Storage rooms in Dining Halls number 1 and 2 and insulation renewed, new doors supplied, coils cleaned up and painted and thoroughly overhauled. For the improvement of the hot water supply, the necessary materials were purchased by this Department and the work in connection therewith was carried out by the mechanics staff of the hospital.

Woodstock:

The work of flashing with copper the belt course in the Male Adult was carried out under contract. Repairs were made to the lightning rod on the power house stack and repairs were made to the brickwork of the chimney. The Farm House on the east side of the Highway was thoroughly repaired and overhauled to convert it into a residence for the Doctor. New flooring was laid and additional electric wiring and new fixtures were installed. The house was also connected up with the main water supply and to main steam supply for heating. In the male and female infirmaries of the Main Building 37 protective radiator guards were installed.

NEW HOSPITAL BUILDINGS

Ontario Hospital, St. Thomas:

The work of developing the new Hospital at St. Thomas has been proceeded with and the following additional buildings have been begun under contract.

The Administration Building in which are located the offices for the Superintendent, Medical Staffs, Steward and all business offices with all the necessary vaults and files, the central switchboard and telephone service, is a building of two storeys with wings on either side of one storey in height. Connected by a covered passage and immediately behind the Administration Building, is the first unit of the Hospital group, which provides for the handling of out-patients and for male and female reception and examination sections with the necessary waiting rooms for patients on the ground floor. On the floor above, a small staff hospital is provided with two isolated sections for men and women patients. At right angles to the axis of this building are two blocks also connected with central corridor arrangements to be used for active treatment of mental patients and for observation and treatment of reception cases. These buildings are divided into wards, single rooms and day rooms, sun rooms and open balconies, treatment rooms and continuous bathrooms and Pack rooms, Hydro Theraphy rooms and Occupational rooms. These buildings are two stories in height. The fifth building of this group consists also of a two storey building and will provide for laboratories, dental room, eye, ear, nose and throat treatments, X-ray department, and operating room, with the necessary waiting rooms for patients. The connecting corridor continued through this last building and joins up with corridors leading to the central dining hall. This group of buildings follows the general design in stone and fireproof construction of the buildings described in the last report and are to be fully equipped for medical treatment.

The contract for the General Trades has been awarded to Messrs. Ilsley-Wilde Limited of Toronto and the contracts for the mechanical trades are as follows:

Heating Blocks A.C.D.—Messrs. B. J. Miller & Co. Ltd., Toronto.
Heating Blocks B and B1—Messrs. Robert Rankin & Sons, St. Thomas.
Plumbing Blocks A.C. and D.—Messrs. Geo. C. Abbott Ltd., Toronto.
Plumbing Blocks B and B1—Messrs. Bennett & Wright Ltd., Toronto.
Electric wiring—The Canada Electric Co., Toronto.

Contracts were awarded to the Pigott Construction Company Limited for Power House, Laundry Building, Transformer Station, Nurses' Residence and Central Garage, together with all connecting tunnels for underground mains joining up these buildings. The Power House is a reinforced concrete frame structure with outside walls of buff brick trimmed with Queenstone stone and is connected up with the other buildings by a tunnel through which all the services for heating, water supply and electric power are carried. In conjunction with this building are large twin reservoirs for the storage of water supply and the concrete tanks for the collection of sewage before it passes, by pumping, into the main drain which carries it to the St. Thomas sewage disposal plant. From the clear water reservoir, the water is pumped into an elevated tank, which has a height of 122′ 0″ and a capacity of 104,000 imperial gallons. In the power house are located the heating plant, mechanical repair shops the pumping systems and the electric power switchboard. Steam is supplied from three Leonard drum design boilers of 975 H.P. The boilers are fired by underfeed type E stokers designed to burn Nova Scotia and other Canadian coal. The coal handling equipment serves a double purpose by means of an endless belt equipment with buckets to convey coal to the elevated storage supply bunkers of 250 tons capacity and at other times conveying the ashes through the underground basement to the ash elevator. The following is a list of the mechanical trades and the equipment of the power plant, which has been supplied under contract as follows:

Plumbing, Drainage and Piping—Messrs. B. J. Miller & Co. Ltd., Toronto.
Electrical work—The Canada Electric Co., Toronto.
Radial Brick Chimney—Francis Hankin & Co. Ltd., Toronto.
Steel Water Tower—The Horton Steel Works Ltd., Toronto.
Coal and Ash Handling Equipment—Stephens-Adamson Mfg. Co. of Canada Ltd., Toronto.
Cranes, etc.—Herbert Morris Crane & Hoist Co. Ltd., Niagara Falls, Ont.
Garbage Incinerator—Taylor Engineering & Construction Co., Toronto.
Feed Water Heaters—Darling Bros. Limited, Toronto.
Sewage Pumps—Smart Turner Machine Co. Ltd., Hamilton.
Water Pumps—Babcock-Wilcox & Goldie McCullough, Toronto.

The Laundry Building is one storey and basement in height, of concrete frame construction, with outside walls of brick, trimmed with stone. The basement is designed with receiving rooms for incoming soiled goods and sorting rooms for finished articles, with one section of the building given over to mechanical apparatus and general sterilizing and repair of mattresses. The first floor is designed for the laundry proper, fitted with mechanical washers, dryers and flat work ironers and for hand ironing, with a section fitted up as a sewing room and general repair work shop. The following are the contractors employed on this building:

General Trades—The Pigott Construction Co., Hamilton.
Plumbing work—The Universal Plumbing & Heating Co., Windsor.
Heating work—Messrs. Eggett & Co., London.
Electrical work—The Canada Electric Co., Toronto.

Contracts for laundry machinery and equipment have been awarded to the Beaver Laundry Machinery Company Limited; The Canadian Hoffman Machinery Company Limited and the Canadian Laundry Machinery Co., of Toronto.

Garage:

The garage is a one storey fireproof brick building, trimmed with Queenston stone and is fitted to take the institution trucks and other cars, with workshop for general repairs and is situated near the Power Plant and heated directly from the Power House. The following are the contractors for this building:

General trades—The Pigott Construction Co., Hamilton.
Plumbing work—The Universal Plumbing & Heating Co., Windsor.
Heating work—Messrs. Eggett & Co., London.
Electrical work—The Canada Electric Co., Toronto.

Nurses' Residence:

The Nurses' Residence, which is situate on the west side of the highway, centred on the line of axis of the hospital and administrative group, is of fireproof concrete frame construction, with outside walls of brick trimmed with Queenston stone. This building is connected by a heating tunnel with the hospital group of buildings. The building contains accommodation for approximately 200 nurses with staff quarters for the matron and dietitian, generally assembly rooms and small hospital section. The building is four stories and basement in height and is provided with a diet kitchen on each floor with the necessary lavatory accommodation and small rooms for laundry. On the ground floor, there is a suite of rooms set aside for hospital; sun rooms and open balconies are provided on each floor. The floors are connected by two elevators, one at either end of the building. The general trades were awarded to the Pigott Construction Company of Hamilton and the mechanical trades are as follows:

Plumbing work—Messrs. Adam Clark Limited, Hamilton.
Heating work—Messrs. R. Rankin & Sons, St. Thomas.
Electrical work—The Canada Electric Co., Toronto.

The elevators in this and all other buildings were installed under contract by the Otis Fensom Elevator Co., Ltd.

Electric Transformer House:

The contract for this building, which is entirely fireproof and is built of brick with stone trimming, was awarded to the Pigott Construction Company of Hamilton. Agreements were entered into with the Hydro Electric Power Commission to run incoming high tension wires from the east along the north boundary line of the property and incoming high tension wires from the north, both are carried to the transformer station. From the transformer station to a point opposite the power lines, the overhead wires were extended and conveyed by underground cable into the Power House to the switchboards already referred to.

Outside Services:

Contracts were awarded to the Carroll Sharp Construction Co., for the supplying and laying of a drainage system throughout the grounds from the various buildings to the sewage disposal tank, at the Power Plant; also for the storm drains connected up to all of the building rain water drains and to catch basins throughout the grounds. The storm drain is continued and laid across under the highway and the L. & P.S. Railway westward to the stream which follows the natural water course in that area. The Universal Plumbing and Heating Company were awarded the contract for the stream mains in heating tunnels and the Canada Electric Company were awarded the contract for electric power and telephone distribution systems. For the grading of grounds and roadways, walks and extension to sewers a contract has been warded to the Industrial Construction Company of Windsor.

Ontario Hospital, Woodstock:

Contracts were awarded to the Sterling Construction Company of Windsor for grading of grounds and entrance driveways from No. 9 Highway and roads throughout the grounds connecting up the various buildings. Steam and return mains were carried from the main stream lines in the old Institution across the grounds of that section and under No. 9 Highway through the grounds of the Childrens' Unit to the mechanical equipment room under the Dining Hall. The contract for this work was awarded to the Universal Plumbing and Heating Company of Windsor. The contract for the concrete trenches into which the pipes were laid, was awarded to the Sterling Construction Company of Windsor, together with the laying of the outside water mains, which form part of an early contract, and this was completed. The contract for the cast iron pipe and fittings for water mains was awarded to the National Iron Corporation and for the hydrants to the Canada Valve and Hydrant Company. The freight elevator in the Administration Building was awarded to the Roelofson Elevator Company of Toronto; the refrigeration equipment was installed in the kitchen by the Kelvinator Co., of Canada Limited.

The group of buildings known as the Childrens' Unit were practically completed at the end of the fiscal year, except for some minor matters in connection with the painting and the cleaning up of the building.

Ontario Hospital, Brampton:

The Administration Building has been practically completed.

The contract was awarded to the Mohan Construction Company of Toronto for the extension of the sewers in readiness for the proposed buildings, so that the excavations could be drained as the work proceeds. The supplying of the pipe for this drain was awarded to the National Sewer Company.

Ontario Hospital, Port Arthur:

The work of carrying on the finishing of the interior of the Administration Building was closed down during the winter, to be proceeded with in the Spring, when the weather moderates.

The work in connection with the main sewers within the grounds of the Hospital was carried out by the City of Port Arthur and paid for by this Department, all the pipe in connection therewith being supplied by the Department on a tender basis.

In connection with Hospitals, other than "Ontario Hospitals," the following list gives the work done by this Department for the Department of Health:

Belleville General Hospital:
Plans examined and reported upon for additions and alterations to Nurses' Residence.

St. Joseph's Hospital, Chatham:
Plans examined and reported upon for proposed fireproof additions and alterations.

Proposed Red Cross Hospital Emo:
Plans examined and reported upon.

Proposed addition to Breboeuf Hospital:
Plans examined and reported on for additions and alterations.

Nursing Home, 429 Walmer Road, Toronto:
Building examined and reported submitted re fire-escapes, exit lights and fire extinguishers.

Hillcrest Convalescent Home, 1275 Bathurst Street, Toronto:
Plans examined and reported on for proposed additions and alterations.

Hospital for Consumptives, Weston:
Plans examined and reported on for proposed Nurses' Residence.

Marylake Rest Home, King:
Plans examined and reported on for proposed alterations to Sir Henry Pellat's residence to become Rest Home.

Stevenson Memorial Hospital, Alliston:
Plans examined and reported on for proposed Nurses' Residence.

Muskoka Hospital for Consumptives, Gravenhurst:
Plans examined and reported on for proposed addition to Nurses' Residence.
Plans examined and reported on for proposed additional storey over existing Nurses' Residence.

Red Cross Hospital, Haliburton:
Plans examined and reported on for proposed outpost hospital.

Private Hospital, 61 Craig St. London:
Plans examined and reported on for proposed private hospital.

Private Hospital, Little Long Lac, Geraldton:
Plans examined and reported on for proposed private hospital.

General Hospital, Oshawa:
Plans examined and reported on for proposed addition to hospital.

General Hospital, Brantford:
Plans examined and reported on for proposed new hospital building.

Hotel Dieu, Cornwall:
Plans checked and reported on for proposed Nurses' Residence.

Private Hospital, 30 Bellevue Terrace, St. Catharines:
Plans checked and reported on for proposed Private Hospital.

Groves Memorial Hospital, Fergus:
Plans checked and reported on for proposed alterations to hospital building.

Muskoka Hospital for Consumptives, Gravenhurst:
Plans examined and reported on for new elevator and operating unit.

St. Peter's Infirmary, Hamilton:
Plans checked and reported on for proposed addition to hospital.

Private Hospital, Holland Landing:
Building examined and reported on for use as a private hospital.

Kemptville Hospital, Kemptville:
Plans examined and reported on for proposed changes to an existing building to be used as a public hospital.

Kirkland District Hospital, Kirkland Lake:
Plans examined and reported on for proposed addition to hospital.

Memorial Hospital, Listowel:
Plans examined and reported on for proposed addition to hospital.

McCormick Home, London:
Plans examined and reported on for using Richmond Street wing for incurable patients.

Victoria Hospital, London:
Plans examined and reported on for new main building.

Private Rest Home, 61 Craig Street, London:
Plans examined and reported on for fire-escape installation.

Palmerston Hospital, Palmerston:
Plans examined and reported on for fire-escape installation.

Memorial Hospital, St. Thomas:
Plans examined and reported on for fire-escape installation. Building visited and proposed Nurses' Residence building reported on. Sketch plans also prepared and included with report.

Soldiers' Memorial Hospital, Tillsonburg:
Plans examined and reported on for proposed extension to hospital.

Mercy Hospital, Toronto:

Plans examined and reported on for proposed new hospital building.

Home for Incurable Children, Bloor St. W., Toronto:

Plans examined and reported on for proposed fire-escape.

Welland County Hospital, Welland:

Plans examined and reported on for proposed finishing of second floor wards etc.

East Windsor Hospital for Incurables, Windsor:

Plans examined and reported on for proposed new wing.

Essex County Sanitorium, Sandwich:

Plans examined and reported on for proposed new hospital building and new kitchen building.

St. Paul's Hospital, Hearst:

Plans examined and reported on for proposed addition.

Metropolitan Hospital, Windsor:

Sketch plan suggestion made in connection with proposed Psychiatric accommodation.

General Hospital, Port Arthur:

Plans examined and reported on for proposed Nurses' Residence.

Mindemoya Hospital, Manitoulin Island:

Report with recommendations in connection with fire-escapes.

Asylum of the Good Shepherd, Hawkesbury:

Plans examined and reported on for fire-escape.

Chatham General Hospital, Chatham:

Plans examined and reported on for proposed addition.

Great War Memorial Hospital, Perth:

Plans examined and reported on for proposed addition.

Fort William Sanatorium, Fort William:

Plans examined and reported on for proposed addition.

ONTARIO REFORMATORIES

Industrial Farm, Burwash:

The central heating plant at number 5 Camp was entirely remodelled and a locomotive boiler formerly used by the Main Camp was installed with a new house over it, and the heating mains carried to the Main Building of this Camp and also to the water tower, to prevent freezing.

At the Main Camp, two semi-detached houses were built for guards families and work was begun on the third house containing four apartments. All these buildings were two stories in height and were of frame construction, veneered with bricks from the Brick and Tile Plant at Mimico. The work was carried out by day labour with skilled mechanics, using inmate labour as far as practicable, for the rough labour. On the north side of the main group of buildings, between the cell block and the hospital wing, an unclimeable high wire fence was erected to enclose the court yard, for the assembling of the inmates. Equipment has been purchased for the fitting up of the hospital section, such as sterilizers, blanket warmers, light-proof blinds etc., and has been installed.

Ontario Reformatory, Guelph:

The work of the erection of the new Cell Block wing, as described in last year's report has been proceeded with. The locking device has been given considerable consideration and the tender submitted by Messrs. J. & J. Taylor Limited for the locking device has been accepted. The work in connection with the grille fronts to receive this device and a considerable amount of work on the device itself, is being fabricated at the Reformatory. A contract for roofing was awarded to Messrs. Wheeler and Bain of Toronto. An enclosing fence into the yard at the rear of the new Cell Block has been supplied by the Frost Steel and Wire Company of Hamilton. Contracts were awarded for the supply of sanitary fixtures to the Empire Brass Mfg. Company and the Monarch Brass Mfg. Company.

The Central Power Plant of the Institution has been remodelled and a new three drum boiler with chain grate stoker has been installed under contract by Messrs. Waterous Limited of Brantford. The work in connection with the piping installation was done by the mechanics on the staff of this Department. The boiler feed pump was supplied by the Smart Turner Machine Company of Hamilton and the feed water heater by Messrs. Darling Bros.

The laundry has been supplied with a water softening unit complete with all interconnecting pipes, the equipment being installed under contract by Messrs. Francis Hankin Company.

Industrial Farm, Monteith:

The group of buildings known as the Northern Academy, which have been standing vacant, were taken over by the Provincial Secretary's Department, in conjunction with the new project to establish an Industrial Farm there. The school building was remodelled to provide accommodation for approximately 75 inmates, providing dining hall, dormitory, guards' room and offices and the necessary lavatory accommodation and laundry; the necessary grilles being provided throughout on the windows and grille gates at entrances. New concrete floors were laid throughout the basement. The work is still proceeding.

Work has been started on the remodelling of the residence building, which is a frame building and is now being converted into apartments for the guards and their families and is being completely remodelled, rewired and replastered.

PROVINCIAL PARKS

Rondeau Provincial Park:

Plans and specifications were prepared for the erection of a Community Hall to replace the existing inadequate pavilion. The contract was awarded to Messrs. Warwick & Sons of Blenheim. The building is of frame construction on concrete piers and consists of a large hall, the floor of which may be used for dancing with orchestral platform and promenade. In conjunction with this are arranged luncheon counters and dining room with the necessary kitchen and stores in connection with it. Lavatory accommodation is also provided in this building. The water supply is from percolating wells with pump and pressure tank installation. The drainage is taken care of by means of leeching wells and septic bed. The pavilion is situate on the Lake front and considerable parking area in the near neighborhood has been provided.

FISH HATCHERIES

Surveys were made and plans and specifications prepared and the work was proceeded with in connection with the making of ponds and the erection of buildings for Fish Hatcheries at the following stations:

Sandfield, Manitoulin Island.
Chatsworth, Owen Sound, Grey County.
Deer Lake, Peterborough County.
Hill's Lake, Near Charlton, Temiskaming District.
Skeleton Lake, Muskoka District.

The property at Sandfield consists of 25 acres. four bass ponds have been added and two minnow ponds to this existing station. An ice house with food preparation room and a garage for a truck and one car, have been erected. The work was carried out by day labour.

The property at Chatsworth, consists of 33 acres. Two trout rearing ponds have been added to this station. The construction shed has been converted into a storage shed. The work was carried out by day labour.

The property at Deer Lake consists of 300 acres. Two bass and maskinonge ponds and one minnow pond have been laid out. Intake pipes have been laid and dam improved. Hatchery building, Ice House, Garage and Residence have been planned and the work proceeded with by day labour.

The property at Skeleton Lake consists of 15 acres. Five bass ponds and trout rearing ponds have been laid out with new intake at the lake and pipe lines. Excavations for the ponds were done under contract by Messrs. Patterson and Company of Brampton. The Hatchery Building, Ice House with food preparation room, Garage and Residence have been designed and the buildings are being proceeded with by day labour.

The property at Hill's Lake consists of 37 acres. Four trout rearing ponds and one parent trout pond have been laid out and a dam is being formed by raising the water levels fed by underground springs to a matter of 10′, from which a flume will be built to supply the hatchery. The buildings designed consist of a Hatchery, Ice House with good preparation room, Garage, Storage House and a Residence. This work is being carried out by Mr. D. A. McLeod of Kingston, under contract.

ONTARIO SAVINGS OFFICES

In connection with the Ontario Savings Offices, the following work has been done by this Department.

St. George's Square, Guelph:

New premises inspected, drawings and specifications prepared, agreement completed and alterations practically completed.

Sault Ste Marie:

The new Savings Office, was finished and opened for business on April 1st, 1938, there being only a few minor items requiring to be finished up after that date.

Yonge and Broadway, Toronto:

Minor renovations and repainting work arranged in connection with this branch.

Danforth and Fenwick, Toronto:

Minor renovations and repainting work arranged in connection with this Branch.

Danforth and Woodbine, Toronto:

New lease negotiated, including provision for necessary repairs and alterations.

Ottawa:

Plans and specifications for proposed new bank premises were submitted to owner for consideration and for determining proposed rental figure. Premises were not accepted.

Ottawa Street, North, Hamilton:

Negotiations were carried on in connection with proposal to renovate and remodel the existing premises, but increased rental proposals in this connection were not accepted.

St. Catharines:

New lease negotiated, including necessary revisions and repainting.

MISCELLANEOUS

The Burial Ground at St. Andrews West:

The historic burial ground at St. Andrews West, in which John Sandfield Macdonald, first Prime Minister of Ontario and Simon Fraser, the explorer of the Fraser River are buried had become neglected and dilapidated. In order to preserve it, the Government decided to enclose the area with rubble stone wall built of local field stone and to clear the ground of rubbish and decayed trees and to restore many of the monuments which were out of alignment and to reset the remainder and remove broken railing fences around a number of the plots and to repair the monuments of John Sandfield Macdonald and Simon Fraser. To enhance the entrance and more particularly draw attention of the visitors to this spot, a monument was erected to the memory of these early settlers and its design was carried out in traditional Scottish manner, surmounted by a celtic cross.

I have the honour to be, Sir,

Your obedient servant,

George White, *Architect.*

Toronto, December 31, 1939.

Toronto, February 6, 1940.

THE HONOURABLE M. F. HEPBURN,
Prime Minister and Acting Minister of Public Works.

Sir,—

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1938 to March 31, 1939.

All the work was done by day labour under local foremen employing local men and using local material wherever possible.

The usual maintenance of locks, dams, docks and navigable channels was carried out and three new concrete dams were built.

Maintenance work was as follows:

Magnetawan Locks:

New arms were put on all the gates, and the gates repaired so that they could be operated for navigation.

Port Carling Locks:

The gates were repaired and put in good working order. About 50 feet of the dock on the north east corner was rebuilt in timber. A stone wall was built on the north side of the locks between the roadway and the lawn, to prevent cars running on the grass.

Port Sandfield Dock:

This dock was levelled up, and all rotten and broken plank and timbers were replaced with new ones. The swing bridge was made to swing more easily.

Tasso Lake Dam:

Considerable repairs were made to this dam to make it safe for the spring floods. Most of the timber was renewed, and considerable fill was put in front of it.

Navigable Channels:

All channels were kept clear for boats, and all buoys taken out by the ice during floods were replaced.

Island Lake Dam:

This is a concrete dam, and some of the concrete had disintegrated until the dam was in a dangerous condition. All bad concrete was removed, and new concrete put in to make the dam safe.

DAMS CONSTRUCTED

Feighens Dam:

This dam is at the outlet of Ahmic Lake in Parry Sound District. It holds the lake up for navigation purposes.

The old timber dam was taken away by the spring flood. A new concrete dam was built, and is provided with 3 sluiceways, one 15 ft. wide, and 2 sluices 10 ft. wide each. It is about 120 ft. long and 10 ft. high. It is built on solid rock, and is provided with a winch for lifting the stop logs.

Joe Lake Dam·

This dam is in Algonquin Park, and serves to hold the lake up for navigation purposes, and also as a storage dam. The old timber dam had become so badly decayed and worn that it could not hold the lake at the proper level.

A new concrete dam was built. As there are two channels here a dam had to be built on each. The dam on the east channel is 45 ft. long and 12 ft. high. It is provided with a stop log sluiceway 12 ft. wide by 8 ft. in depth. The dam on the west channel is 65 ft. long and 11 ft. high. It has no sluiceway, but is a solid concrete wall.

These two dams are connected by a concrete wall about 100 ft. long and 4 ft. high.

The whole structure rests on solid rock.

Weslemkoon Lake Dam:

This dam is at the outlet of Weslemkoon Lake in Hastings County, and holds the lake up for navigation purposes.

The old timber dam was badly decayed and leaking, so that the water level of the lake could not be kept at the proper level. A new concrete dam was built. It is 40 ft. long and 12 ft. high. It has a stop log sluiceway 8 ft. wide by 5 ft. deep. It rests on solid rock foundation.

MUNICIPAL DRAINAGE

Drainage work was carried out in the northern districts, and the following amounts were spent:

Nippissing	$ 800.00
Parry Sound	1000.00
Muskoka	800.00
Haliburton	700.00
Peterboro	800.00
West Hastings	800.00
East Hastings	800.00
Addington	800.00
South Renfrew	800.00
North Renfrew	940.00

Aid to Drainage:

Burk Drainage Scheme, Harwich Township. This is a pumping scheme made possible by an embankment along the shore of Lake Erie. During 1937, owing to the high water of the lake and severe storms, the embankment began to give way, and the land in the drainage area was in danger of being flooded. Temporary repairs were made by placing sand bags along the embankment to protect it, but it was evident that more permanent repairs would have to be made to it to make the scheme safe.

The Council of Harwich Township employed Mr. George A. McCubbin, Civil Engineer of Chatham, to report on the repairs. The work was done under the provisions of the Municipal Drainage Act, in accordance with plans and specifications prepared by Mr. McCubbin.

The work consisted of building a dry stone wall along the embankment to protect it from the action of the waves. This wall was 850 ft. long, 4 ft. high, 4 ft. wide on top and about 20 ft. wide at the bottom. The road along the lake shore, which forms part of the embankment, had settled, and had to be raised 18 inches in height and width of 28 ft. on top.

The total cost of this work was $17,731.00. As the cost of this work was in excess of $10,000.00, the scheme was entitled to aid, according to the Provincial Aid to Drainage Act. An examination of the work proved it to be completed in a satisfactory manner, and on report a grant of $3,546.00, being 20% of the cost, was paid to the Township of Harwich.

Big Marsh Drain, Pelee Island:

This is a pumping scheme as most of the land on Pelee Island is below the level of Lake Erie at times. The island is surrounded by large dykes, and several large drains are constructed to carry the water to 3 pumps, one on the east, one on the west, and one on the north shore.

These drains had become blocked with sediment, mud, and other rubbish, which had been collecting for years, so that they could not carry the water to the pumps, and the land could not be properly drained.

These drains were repaired by the Township of Pelee under the provisions of the Municipal Drainage Act, in accordance with report, plans, and specifications prepared by Mr. J. J. Newman, Civil Engineer of Windsor.

There are 5 drains in the scheme as follows:

Drain No. 1 has a total length of 8,000 ft. and was excavated to a depth of 3 ft. and width of 18 ft.

Drain No. 2 has a total length of 6800 ft., was excavated to a depth of from 2 to 3 ft. and width of 18 ft. A rock bar 500 ft. long was blasted to a depth of 18 inches and width of 6 ft. on this drain.

Drain No. 3 has a total length of 3100 ft., was excavated to a depth of 2ft. and width of 15 ft. for a distance of 2600 ft., and 6 ft. width for balance.

Drain No. 4 was 5100 ft. long, was excavated to depth of 2 ft. and width of 15 ft.

Drain No. 5 was 3400 ft. long, and was excavated to a depth of 5 ft. and bottom width of 3 ft. About 1000 feet of rock was blasted to a depth of 2 feet and width of 3 feet on this drain.

The total cost of this work was $19,660.00. This scheme was entitled to aid according to the Provincial Aid Drainage Act. On examination the work was found completed in a satisfactory manner, and on report a grant of $3,932.00, being 20% of the cost of the work, was paid to the Township of Pelee.

I have the honour to be, Sir,

Your obedient servant,

J. W. Hackner,
Engineer of Public Works,
Department of Public Works, Ontario

Toronto, December 15th, 1939.

THE HONOURABLE MITCHELL F. HEPBURN,
Prime Minister and Acting Minister of Public Works.

Sir,—

I have the honour to submit the following statement showing the several contracts entered into with His Majesty during the twelve months ending March 31, 1939, in connection with the Public Buildings and Works, subject to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

DIGBY HORRELL,
Secretary and Purchasing Agent.

STATEMENT No. 21

Showing the several contracts entered into with His Majesty during the twelve months ending 31st March, 1939, in connection with the Public Buildings and Works, subject to the control of the Department of Public Works, Ontario.

Date	Work	Subject of Contract	Contractors	Amount
1938 May 11	Toronto, Osgoode Hall	Boilers and Stokers	Waterous Limited, Brantford	$ 14,052.00 less Sales Tax
May 20	Toronto, Osgoode Hall	Power Plant Piping	Purdy, Mansell Limited, Toronto	5,393.00 less Sales Tax
May 23	New Toronto, Ontario Hospital	Piping and Pumping Equipment	Purdy, Mansell Limited, Toronto	21,300.00 less Sales Tax
June 3	Port Arthur, Ontario Hospital	Electric Work	Mahon Electric Co., Ltd., Port Arthur	3,236.76 less Sales Tax
June 23	St. Thomas, Ontario Hospital	Installation of Water, Steam and Return Mains	Universal Plumbing & Heating Co. Ltd., Windsor	47,867.75 less Sales Tax
June 28	Elk Lake, Lockup & Mining Recorder's Office	Construction of Lockup and Mining Recorder's Office	Hill-Clark-Francis Limited, New Liskeard	20,675.00 less Sales Tax
June 30	Rondeau Park, Pavilion	Construction of Pavilion	T. C. Warwick & Sons, Ltd., Blenheim	25,250.00 less Sales Tax
June 30	Woodstock, Ontario Hospital	Construction of Concrete Steam Trench	Sterling Construction Co. Ltd., Windsor	15,602.00
July 8	Guelph, Ontario Reformatory	Installation of Boiler & Stoker	Waterous Limited, Brantford	25,580.00 less Sales Tax
July 13	Woodstock, Ontario Hospital	Installation of Steam & Return Main Piping in Tunnels	Universal Plumbing & Heating Co. Ltd., Windsor	14,886.73 less Sales Tax
July 14	St. Thomas, Ontario Hospital	Electric Work in Administrative and Hospital Group	Canada Electric Co. Ltd., Toronto	34,122.00 less Sales Tax
July 14	St. Thomas, Ontario Hospital	Construction of Administrative and Hospital Group	Ilsley-Wilde Limited, Toronto	784,495.00 less Sales Tax
July 19	St. Thomas, Ontario Hospital	Plumbing in Blocks B and B1 Administrative & Hospital Group	Bennett & Wright Limited, Toronto.	50,540.00 less Sales Tax
July 19	St. Thomas, Ontario Hospital	Plumbing in Blocks, A,C,D Administrative & Hospital Group	George C. Abbott Limited, Toronto.	40,824.00 less Sales Tax
July 19	St. Thomas, Ontario Hospital	Heating Block B and B1 Administrative & Hospital Group	Robert Rankin & Sons, St. Thomas.	29,692.00 less Sales Tax
July 19	St. Thomas, Ontario Hospital	Heating Blocks A,C,D Administrative & Hospital Group	B. J. Miller & Co. Ltd., Toronto	40,331.00 less Sales Tax

July 29	St. Thomas, Ontario Hospital	Power and Telephone Ducts	Canada Electric Co. Ltd., Toronto	6,032.78 less Sales Tax
Aug. 31	St. Thomas, Ontario Hospital	Power Distribution System	Canada Electric Co. Ltd., Toronto	70,108.00 less Sales Tax
Aug. 3	Sudbury, Court House	Installation of Boilers & Stokers	John Ingles Company Co. Ltd., Toronto	6,375.00 less Sales Tax
Aug. 10	St. Thomas, Ontario Hospital	Passenger Elevators in Dining Hall and Infirmaries	Otis-Fensom Elevator Co. Ltd., Toronto	25,671.00 less Sales Tax
Aug. 15	Guelph, Ontario Reformatory	Roofing and Sheet Metal Work	Wheeler and Bain Limited, Toronto.	5,993.25 less Sales Tax
Aug. 31	Geraldton, Provincial Gaol	Construction of Gaol	Claydon Company Limited	12,036.00
Sept. 10	Guelph, Ontario Agricultural College	Electric Wiring in Macdonald Hall	F. R. Yates, Guelph	5,518.85 less Sales Tax
Sept. 9	St. Thomas, Ontario Hospital	Switch House	Pigott Construction Co. Ltd., Hamilton	1 500.00
Sept. 20	New Liskeard, Fish Ponds and Hatcheries	Construction of Fish Ponds and Hatcheries	D. A. McLeod, Kingston	40,000.00 less Sales Tax
Sept. 19	Guelph, Ontario Agricultural College	Heating Small Animal Building	Purdy, Mansell, Limited, Toronto	3,900.00 less Sales Tax
Aug. 10	Woodstock, Ontario Hospital	Supply and installation of electric freight elevator in kitchen of Children's Group.	Roelofson Elevator Co. Ltd., Toronto	3,500.00 less Sales Tax
Oct. 14	Brampton, Ontario Hospital	Extension to Sewers	Mohan Construction Co. Ltd., Toronto	19,477.00 less Sales Tax
Nov. 15	Woodstock, Ontario Hospital	Grading and Roads	Sterling Construction Co. Ltd., Windsor	30,960.00 less Sales Tax
Dec. 6	Woodstock, Ontario Hospital	Installation of Refrigeration Equipment	J. H. Lock & Sons Limited, Toronto.	4,624.00 less Sales Tax
Nov. 25	St. Thomas, Ontario Hospital	Installation of Elevators in Hospital Group and Laundry	Otis-Fensom Elevator Co. Ltd., Toronto	30,100.00 less Sales Tax
1939 Jan. 3	Guelph, Ontario Reformatory	Lathing & Plastering, etc. Cell Block	Leonard V. Smith, Hamilton	10,500.00
Jan. 10	St. Thomas, Ontario Hospital	Supply of Mattresses	Windsor Bedding Co. Ltd.	11,448.00 less Sales Tax
Mar. 10	St. Thomas, Ontario Hospital	Construction of Nurses' Residence, Garage and Tunnel	Pigott Construction Co. Ltd., Hamilton	322,000.00 less Sales Tax
Mar. 10	St. Thomas, Ontario Hospital	Plumbing for Nurses Residence etc.	Adam Clark Limited, Hamilton	21,605.00 less Sales Tax

Date	Work	Subject of Contract	Contractors	Amount
Mar. 10	St. Thomas, Ontario Hospital......	Heating System for Nurses' Residence, Garage & Tunnel.....................	R. W. Rankin, St. Thomas.........	34,054.00 less Sales Tax
Mar. 10	St. Thomas, Ontario Hospital......	Electric Work in Nurses' Residence, Garage & Tunnel.........................	Canada Electric Co. Ltd., Toronto..	41,186.00 less Sales Tax
Mar. 14	St. Thomas, Ontario Hospital......	Storm & Sanitary Sewers, Nurses' Residence, Garage & Tunnel...............	Carroll-Sharp Construction Ltd., Toronto.........................	8,712.00 less Sales Tax

Digby Horrell,
Secretary and Purchasing Agent.

STATEMENTS

OF THE

Accountant of Public Works

1938-1939

Department of Public Works, Ontario.

Toronto, December 6th, 1939.

HONOURABLE MITCHELL F. HEPBURN,
Prime Minister and Acting Minister of Public Works.

Sir:—

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings; also Capital Expenditure on Provincial Public Buildings, during the fiscal year which ended on the 31st of March, 1939.

I have the honour to be, Sir,

Your obedient servant,

C. KENTLETON,
Accountant Public Works.

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1938 to MARCH 31st, 1939

Service	Ordinary	Capital	Total
Main Office—Administration Expenses, etc.	$ 105,375.37		$ 105,375.37
Maintenance and Repairs, Government Buildings	643,494.52		643,494.52
Public Buildings		4,807,957.82	4,807,957.82
Special Warrants	32,573.40	42,503.95	75,077.35
TOTAL NET EXPENDITURE	$ 781,443.29	$4,850,461.77	$5,631,905.06

STATEMENT OF REVENUE

MAIN OFFICE:

	Ordinary	Capital	Total
Commission on telegraphs and telephones	$ 2,743.17		$ 2,743.17
Sale of material	2,088.42	121.84	2,210.26
Rentals	29,455.00		29,455.00
Sale of property		16,421.95	16,421.95
Perquisites	727.50		727.50
Building equipment	150.20		150.20
Miscellaneous	260.22		260.22
TOTAL NET REVENUE	$ 35,424.51	$ 16,543.79	$ 51,968.30

C. Kentleton,
Accountant.

Toronto, December 6th, 1939.

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE, REPAIRS AND CONSTRUCTION OF PUBLIC BUILDINGS FOR FISCAL YEAR ENDING MARCH 31st, 1939

ORDINARY

Service	Amount	Amount
MAIN OFFICE:		
Salaries—Minister's salary	$ 8,000.00	
Salaries—Permanent	70,781.25	
Salaries—Temporary	15,029.73	
Travelling expenses	3,417.69	
Maintenance	7,953.97	
Local Improvement taxes	192.73	
		$ 105,375.37
GENERAL SUPERINTENDENCE:		
Salaries—Permanent	$ 24,936.00	
Services, travelling and other expenses	6,611.25	
		31,547.25
GOVERNMENT HOUSE:		
Caretaking of building		1,635.50
LIEUTENANT GOVERNOR'S APARTMENT		
Salaries	$ 1,400.00	
Maintenance	1,342.26	
		2,742.26

LEGISLATIVE AND DEPARTMENTAL BUILDINGS		
Salaries—Permanent	$ 97,765.75	
Salaries—Temporary	2,954.67	
Fuel, light, gas, water and power	53,369.09	
Cleaning of buildings, upkeep and development of grounds	159,272.71	
Maintenance, repairs and alterations	98,884.22	
Furniture and furnishings and equipment for buildings	899.45	
Telephone service	37,997.73	
Rental of property and office space	15.00	
Typewriter inspection and repairs	3,838.27	
	$ 454,996.89	
Deduct—Rentals	13,800.00	
		441,196.89
OSGOODE HALL		
Salaries—Permanent	$ 8,050.00	
Fuel, light, water and power	4,534.02	
Furniture, furnishings and equipment	626.85	
Telephone service	2,734.55	
Cleaning of buildings and incidentals	11,246.75	
General repairs and alterations	4,999.55	
Interior alterations, including fireproofing	1,158.12	
		33,349.84
EDUCATIONAL BUILDINGS: NORMAL AND MODEL SCHOOLS:		
Toronto: Repairs and incidentals	$ 2,434.16	
Ottawa: Repairs and incidentals	3,337.87	
London: Repairs and incidentals	1,630.50	
Hamilton: Repairs and incidentals	2,835.80	
Peterborough: Repairs and incidentals	538.20	
Stratford: Repairs and incidentals	783.67	
North Bay: Repairs and incidentals	451.00	
Belleville School for the Deaf:		
Repairs and incidentals	5,098.61	
Brantford School for the Blind:		
Repairs and incidentals	3,660.65	
Ontario Training School for Technical Teachers, Hamilton:		
Repairs and incidentals	1,060.22	
General:		
To provide for repairs, installation of boilers, etc.	2,728.51	
		24,559.19
AGRICULTURAL BUILDINGS:		
Ontario Agricultural College, Guelph:		
Repairs and incidentals	$ 12,919.97	
Ontario Veterinary College, Guelph:		
Repairs and incidentals	67.19	
Horticultural Experimental Station, Vineland:		
Repairs and incidentals	682.29	
Western Ontario Experimental Farm, Ridgetown:		
Repairs and incidentals	1,095.54	
Agricultural School, Kemptville:		
Repairs and incidentals	6,827.29	
General:		
To provide for repairs, installation of boilers, etc.	357.63	
		21,949.91
TRAINING SCHOOLS:		
Ontario Training School for Boys, Bowmanville:		
Repairs and incidentals	$ .23	
Ontario Training School for Girls, Galt:		
Repairs and incidentals	169.25	
		169.48
DISTRICT BUILDINGS:		
Algoma: Repairs and alterations, furniture and furnishings and improvement to grounds for all District Buildings	$ 2,526.06	
Cochrane: Repair and alterations, etc.	1,223.26	
Kenora: Repairs and alterations, etc.	4,821.31	

Manitoulin: Repairs and alterations, etc.	2,283.76	
Muskoka: Repairs and alterations, etc.	1,222.45	
Nipissing: Repairs and alterations, etc.	870.13	
Parry Sound: Repairs and alterations, etc.	1,890.94	
Rainy River: Repairs and alterations, etc.	1,934.32	
Sudbury: Repairs and alterations, etc.	7,247.61	
Temiskaming: Repairs and alterations, etc.	1,888.04	
Thunder Bay: Repairs and alterations, etc.	6,295.95	
General:		
Repairs, installation of boilers and heating plants in Districts and fire protection	8,896.05	
Salary of Caretaker, Temiskaming	720.00	
		41,819.88
ONTARIO HOSPITALS:		
Brockville: Repairs and incidentals	$ 497.74	
Cobourg: Repairs and incidentals	140.00	
Hamilton: Repairs and incidentals	1,800.76	
Kingston: Repairs and incidentals	8,298.73	
London: Repairs and incidentals	787.86	
New Toronto: Repairs and incidentals	4,931.94	
Orillia: Repairs and incidentals	7,069.56	
Penetanguishene: Repairs and incidentals	1,650.29	
Toronto: Repairs and incidentals	2,336.22	
Psychiatric—Toronto: Repairs and incidentals	2,806.64	
Whitby: Repairs and incidentals	5,359.62	
Woodstock: Repairs and incidentals	3,050.67	
Fort William: Repairs and incidentals	760.48	
Concord: Repairs and incidentals	457.57	
		39,948.08
MISCELLANEOUS:		
Restoring Monuments, Burial Grounds, St. Andrews West		4,576.24
SPECIAL WARRANTS:		
Lockmasters salaries, Maintenance, locks, dams, dredging, etc.	$ 13,166.02	
Expenses in connection with the visit of Their Majesties	6,692.84	
Maintenance—Hawkesbury-Grenville Bridge	1,326.61	
Grant to City of Sault Ste. Marie for the Bayview Drainage Scheme	1,500.00	
Grant to The Hydro-Electric Power Commission of Ontario, re flood control in the Thames River Valley	9,887.93	
		32,573.40
TOTAL ORDINARY EXPENDITURE		$ 781,443.29

CAPITAL

PUBLIC BUILDINGS:		
Osgoode Hall:		
Installation of new boilers		11,203.35
ONTARIO HOSPITALS:		
Kingston:		
Additions, Improvements, equipment and fireproofing	$ 4,050.00	
New Toronto:		
Additions, improvements, equipment and fireproofing	103,973.48	
Orillia:		
Additions, improvements, equipment and fireproofing	28,081.70	
Hamilton:		
Additions, improvements, equipment and fireproofing	592.95	
Woodstock:		
To provide for construction of new children's unit and expenses in connection therewith	748,642.17	
New Units:		
For the purchase of property, construction of buildings, purchase of equipment, furniture and furnishings and other expenses in connection with Hospitals	3,371,669.71	
		4,257,010.01

REFORMATORIES:		
Guelph:		
Additions, alterations and equipment	$ 222,940.47	
Burwash:		
Additions, alterations and equipment	75,883.84	
		298,824.31
DISTRICT BUILDINGS:		
Kenora:		
Construction of main for water supply for District Jail	$ 4,732.36	
Temiskaming:		
Construction of Mining Recorder's Office and Lock-up, Elk Lake	21,855.16	
Thunder Bay:		
New Lock-up, Geraldton	12,994.86	
		39,582.38
PROVINCIAL PARKS:		
Construction of Community Hall at Rondeau Park		24,410.81
FISH HATCHERIES:		
Construction and alterations to Fish Hatcheries		164,935.17
MISCELLANEOUS:		
Purchase of property		4,513.70
STATUTORY:		
Drainage Aid		7,478.09
SPECIAL WARRANTS:		
Cutting and purchase of timber	$ 377.64	
Municipal Drainage	8,208.02	
Storage dams	7,760.41	
Grant to Counties of Prescott and Russell	16,157.88	
Grand River Conservation Scheme	10,000.00	
		42,503.95
TOTAL CAPITAL EXPENDITURE		$4,850,461.77

SUMMARY

ORDINARY EXPENDITURE:	
Main Office and Maintenance and Repairs of Government Buildings	$ 781,443.29
CAPITAL EXPENDITURE:	
Public Buildings	4,850,461.77
	$5,631,905.06

C. Kentleton,
Accountant.

Department of Public Works, Ontario,

Toronto, December 6th, 1939.

Thirty-Second Annual Report

OF THE

Game and Fisheries Department

1938-1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 9, 1940

UT INCEPIT
FIDELIS
SIC PERMANET

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1 9 4 0

TO THE HONORABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit herewith for the information of Your Honour and the Legislative Assembly, the Thirty-Second Annual Report of the Game and Fisheries Department of this Province, for the year ended March 31st, 1939.

I have the honour to be,

Your Honour's most obedient servant,

H. C. NIXON,
Minister in Charge,
Department of Game and Fisheries

Toronto, 1940.

THIRTY-SECOND ANNUAL REPORT

OF THE

Game and Fisheries Department of Ontario

TO: THE HONOURABLE H. C. NIXON:
Minister in charge,
Department of Game and Fisheries.

SIR:—

I have the honour to submit to you in this and the following pages the Thirty-second Annual Report of the Department of Game and Fisheries, outlining the activities of Departmental services and including various statistical and comparative tables for the fiscal year ended March 31st, 1939.

INTRODUCTORY

The wild life of Ontario is a public legacy which for purposes of administration has been entrusted to the Department of Game and Fisheries. It has a value which outranks its material worth, because, besides being an integral part of our economic system, it is of tremendous importance from a recreational standpoint.

It is well to remember that the problem of administration is complicated by the destructive effects of modern civilization. Nature populated our forests with game and fur-bearing animals, our fields, woods and marshes with game and insectivorous birds and our waters with a variety and abundance of fishes not excelled elsewhere. In the scheme of nature a proper balance as to numbers was maintained through natural instinct. In addition, provision appears to have been made for checking over-abundance by means of disease which periodically attacks such species as rabbits, grouse, etc. This provision of nature for setting up a proper balance has been completely upset through a variety of causes. These are mostly the result of the encroachment of civilization and the economic development which is an essential part of human existence. These are some of the conditions which complicate the problem of conserving wild life and have upset the balance set up by nature.

While it is part of the conservation programme to restore as far as possible natural environmental conditions, it will be obvious that much of the difficulty is of a permanent nature incidental to our economic development. If these important facts are kept in mind the necessity for an intensive programme of conservation will be obvious and the need for adapting the work of rehabilitation to meet existing conditions apparent.

Summing up we find that we have in our wild life resources an asset of tremendous importance. It is a resource which, if used wisely, will keep on renewing itself from year to year. The conservation programme of the Department of Game and Fisheries is intended to stimulate this reproduction through protection, and to assist nature through artificial propagation. To be successful, such a programme requires the co-operation of every citizen. This assistance is best rendered by personal observance of the regulations and by discouraging illegal practices in others.

The general situation throughout the Province with regard to game and fish is reasonably satisfactory. During the open season deer were reported to be more numerous in many sections than they had been for many years. It is altogether likely that the comparatively mild winters of the past two or three years and the added protection which has been afforded them has resulted in a large increase in numbers. Hunters are evidently finding this sport just as interesting as ever. In the sections of the Province where closed seasons have prevailed for years, deer have become very numerous; in fact, in many places they are so plentiful as to be the cause of complaints to the Department.

In the sphere of upland game, conditions are also very gratifying. Partridge were numerous enough to warrant an open season, and pheasants and Hungarian Partridge have become well established over a large section of the southern part of the Province. Rabbits still afford excellent winter hunting and the Jack has now spread over a very wide area.

The duck situation has improved considerably all over the continent, although Ontario hunters found no scarcity of wild fowl last year.

By reason of the fact that the water areas of the Province are so extensive and the varieties of fish available so numerous, it is difficult to do more than comment in a general way on the fishing situation. Angling for speckled trout and brown trout has improved considerably and many suitable streams in old Ontario, which for years have been more or less depleted, are once more providing excellent sport.

Bass fishing in many sections was the best it has been for a number of years.

The pictures and stories of large pike and maskinonge taken by anglers which have appeared in the press are proof that big fish are still to be had in reasonable numbers.

In short, we believe that this Province still provides scores of thousands of hunters and anglers with the finest in sport and health-giving exercise, and that the general situation from the sportsman's standpoint is good.

FINANCIAL

Upon the advent of the present Administration, and as you are aware, a change was made in the financial period, and commencing in 1935 provision was made under which the fiscal year extended from April 1st to March 31st, and each succeeding year since that time has provided an increased revenue as collected by this Department. It is believed that the following table of revenue, expenditure and surplus, for the present and preceding three years will be of interest.

	Revenue	Expenditure (Ordinary & Capital)	Surplus
1935-36	$683,938.72	$451,041.91	$232,896.81
1936-37	782,217.63	474,128.95	318,088.68
1937-38	866,558.19	563,938.33	302,619.86
1938-39	914,475.24	575,437.79	339,037.45

REVENUE FOR FISCAL YEAR ENDING MARCH 31ST, 1939

ORDINARY—		
MAIN OFFICE—		
GAME—		
Licenses—		
Trapping	$ 26,265.30	
Non-Resident Hunting	80,415.00	
Deer	83,526.55	
Moose	2,574.00	
Gun	95,788.45	
Dog	5,348.35	
Fur Dealers	22,007.75	
Fur Farmers	9,550.00	
Tanners	200.00	
Cold Storage	147.00	
	$ 325,822.40	
Royalty	74,064.75	
		$ 399,887.15
FISHERIES—		
Licenses—		
Fishing (Commercial)	$ 88,568.00	
Angling	339,450.05	
	$ 428,018.05	
Sales—Spawn taking	311.47	
Royalty	13,519.87	
		441,849.39
GENERAL—		
Licenses—		
Tourist Camps	$ 6,855.00	
Guides	7,928.00	
	$14,783.00	
Fines	26,245.40	
Costs Collected (Enforcement of Game Act)	979.90	
Sales—Confiscated articles, etc.	21,605.29	
Rent	3,675.07	
Commission retained by Province on sale of licenses	1,824.00	
Miscellaneous	725.59	
		69,838.25
EXPERIMENTAL FUR FARM—		
Sales—Pelts		2,900.45
Net Ordinary Revenue		$ 914,475.24

With reference to our financial operations during the year under review, and as previously stated, it will be observed that the total revenue collected by this Department shows a substantial increase over that of the previous year, and which increase amounts to a total of $47,917.05. The principal specific increases to which this splendid showing may be attributed include an additional $29,214.09 from the sale of resident deer and gun licenses, $14,683.90 more fines imposed on those apprehended while violating various provisions of the Game and Fisheries Act and Regulations, an indication of the increased activity of the staff of enforcement officers, while the sales of confiscated articles produced $10,921.55 in excess of the amount realized from the same source in the preceding year.

Expenditures, both capital and ordinary, amounted to a total of $575,437.79, which left an operating surplus for the year of $339.037.45 as shown in a previous statistical table. Some of the principal items of expenditure which go to make up this total include the sum of $226,716.29 necessary to maintain the staff of enforcement officers operating under this Department, and some $186,911.00 in connection with the propagation and distribution of fish by the Fish Hatchery Service of the Biological and Fish Culture Branch. Expenditures in connection with the payment of Wolf Bounties totalled the sum of $25,435.24, while grants to assist in the work of research conducted by various Associations and individuals amounted to $8,900.00. The sum of $19,973.00 was expended for game birds and animals, principally in connection with the propagation, purchase and distribution of pheasants. For the purchase of and repairs to boats, boathouses and vehicles it was necessary to expend in all a total of $12,898.31, while a total capital expenditure of $16,902.91 was made to take care of additional fish culture ponds and dams, and bird farm buildings, the greater proportion of this amount being spent on improvements at the Codrington Bird Farm. Excluding the aforementioned capital expenditure the net ordinary expenditure therefore totalled $558,534.88.

GAME

The comparative table next following details the various resident and non-resident hunting licenses which were issued during the period under review, as well as similar statistics for the preceding three years. While there was a noticeable reduction in the sale of non-resident general hunting licenses this may be attributed to the fact that following the legislative action provided at the 1938 Session there was no open season for moose in certain areas easily accessible to non-resident visitors, that is the southeastern and southwestern portions of Northern Ontario, but this decrease to a large extent was nullified by the increase in the number of non-resident deer licenses which were issued. Reference has previously been made to the greater number of resident deer and gun licenses which were issued this year.

	1935-36	1936-37	1937-38	1938-39
Resident Moose	496	542	580	471
Resident Deer	14,779	15,394	18,672	21,762
Resident Deer (Camp)	258	262	283	307
Resident Deer (Farmers)	5,221	5,386	6,503	7,719
Resident Gun	85,884	79,531	90,756	114,580
Non-resident Small Game	686	1,129	1,634	1,618
Non-resident Deer	652	848	1,036	1,329
Non-resident "General"	680	878	1,043	569

Conservation and co-operation loom large on the educational horizon of the sportsman. The two are being emphasized as the key to a fuller enjoyment of that wonderful heritage,—our wild-life resources,—with which nature has so bountifully blessed us. Conservation in its broadest sense and as applied to wild life is the effort to keep pace with modern conditions; to profit from past experiences resulting from misuse, and through wise management maintain an adequate supply for present and future needs; to provide proper control and protection based on knowledge and experience; to restore natural conditions wherever possible and to ensure development through natural and artificial propagation. It is a general programme so obviously essential to good management that it should appeal to everyone interested in the safeguarding of a valuable asset.

In the carrying out of such a programme of conservation the Department, due to the difficulties which arise from time to time, requires the full co-operation of the sportsman and which co-operation can best be provided by a complete observance of the laws himself, and by his assistance in educating others to the necessity for so doing. The Game and Fisheries Laws have the approbation of every good sportsman. They are restrictive only to the extent necessary to provide better sport. They embody the result of knowledge and experience and are conservation measures of the utmost importance.

Following is a summary of conditions as they apply to the game life of the Province,—both animal and bird,—compiled from information supplied in reports submitted by the various members of the Field Service Staff of the Department:—

DEER:—Reports received in the Department are to the effect that the deer herds in Northern Ontario are more than holding their own despite more intensive hunting than has been the case in previous seasons. There is every indication that these animals are, generally speaking, quite plentiful in the various districts in Northern Ontario, though there are some scattered and isolated sections in the various northern divisions where such is not the case, largely due to the fact that conditions are not quite favourable. Similar observations would be applicable in the several Districts and Counties in the more northerly portion of Southern Ontario, viz.:—Parry Sound, Muskoka, Haliburton and Renfrew, as well as the northern portion of Victoria, Peterborough, Hastings, Frontenac and Lanark.

The value of conservation measures for the protection of wild life perhaps has no better illustration than in the case of deer in the southwestern and southeastern counties. Years ago it became quite evident that the number of deer in these sections of the southern portion of the Province was rapidly diminishing and their numbers becoming quite scarce, and with a view to their restoration the protection of an entire closed season was provided.

Quite obviously the deer have permanently disappeared from the most thickly settled areas, but there is every indication, according to communications and newspaper reports reaching the Department, that they are more prevalent in largely increased numbers in the sections adjacent to the centres of densest population, and where they are now more numerous than they have been for the past several years.

Whatever may be the future of the deer in those areas where settlement and population have made the greatest inroads one thing is certain,—the perpetuation and development of our wild life resources can be definitely assured if we will but unite to afford them that measure of protection and proper control which is necessary to our wise use of them.

MOOSE:—Nowhere in Ontario are these animals to be found in numbers which may be classified as plentiful. There has been an entire close season on this species for several years in Southern Ontario, and reports indicate some improvement in Muskoka, Haliburton, Frontenac and northeastern Renfrew. In Northern Ontario conditions were about the same with some increase in scattered sections of Cochrane and Sudbury Districts. An entire close season existed in the northern part of Nipissing, the southern part of Temiskaming and the southeastern part of Sudbury in the east, and in the District of Rainy River and that part of the District of Kenora south of the main transcontinental line of the C.N.R., in the west and reports would indicate slight improvement in these two protected areas.

CARIBOU:—An entire close season prevails on this species, a few of which may be found in scattered and widely separated sections in northwestern Cochrane, northern Sudbury, Algoma (particularly the Chapleau Game Preserve), Lake Nipigon section of Thunder Bay, and the Lake of the Woods section.

ELK:—This species also is provided the protection of an entire close season. The original herds were imported from Western Canada. In southern Ontario there are a few specimens on the Bruce Peninsula and on Beausoliel Island in the Georgian Bay, as well as on the Petawawa Crown Game Preserve in Renfrew County. Their numbers in Northern Ontario are principally to be found within such Crown Game Preserves as Nipissing, Burwash, Chapleau, Ranger Lake and Onaman River. Some improvement is reported.

BEAR:—These animals are reported to be quite plentiful in many sections,—particularly in Northern Ontario,—as well as in the northern portion of Southern Ontario. It would appear from reports to the Department that increasing numbers of sportsmen, both resident and non-resident, participate in the sport which the hunting of these animals provides.

RABBITS:—The interested hunter knows that in Ontario excellent sport is provided by the hunting of rabbits during the late fall and winter months. In the southern counties the cottontail is quite plentiful practically throughout, though reports indicate they are none too plentiful in some of the eastern sections. The jack-rabbit or European hare is plentiful in the southwest as well as in some counties to the north. It is found apparently as far east as Northumberland and north to Bruce, Grey, Dufferin, Simcoe, Victoria and Peterborough. The snowshoe rabbit is available in the northern portion of Southern Ontario and in Northern Ontario, though conditions as to the prevalence of this particular species vary considerably. In Parry Sound, Muskoka, Haliburton and Renfrew while not too plentiful they are reported to be increasing numerically, and somewhat similar conditions exist in sections throughout the north.

SQUIRREL (Black and Grey):—These animals are reported to be quite prevalent in the southern and western counties. Sufficiently numerous to warrant the provision of a limited open season and restricted catch.

PARTRIDGE:—This season the hunter had an opportunity of taking this fine sporting bird. The increase in numbers of the ruffed grouse justified an open season which was divided into two parts to afford a wider enjoyment of the sport. Sportsmen are more or less familiar with the cycle of abundance and scarcity which appears to be one of the characteristics of the life history of this bird, and which is one of the primary reasons why open seasons on partridge are not more numerous. The species known as the prairie chicken, or sharp-tailed grouse, is found only in the extreme north and west and their numbers were not too plentiful even in these sections.

QUAIL:—These birds inhabit only the extreme southwestern counties of Essex, Kent, Elgin, Lambton and Middlesex, from where reports are to the effect that conditions and prevalence are quite favorable. They are also reported, though not plentiful, from Dundas, Stormont and Glengarry.

PHEASANT:—These fine game birds are found chiefly in the areas in which Departmental re-stocking has been provided, in the counties at the western end of Lake Ontario and along the north shore of Lake Erie. The continued development of the scheme of Regulated Game Preserve Areas,—that is the Townships in which hunting is controlled,—necessitated an intensification of distribution. The distribution of pheasant eggs was entirely eliminated and our efforts along these lines were confined to the actual distribution of the birds themselves. During the year approximately 20,000 live pheasants were distributed, the greater proportion of which were liberated in the forty-nine Townships included in the scheme of Regulated Game Preserve Areas.

HUNGARIAN PARTRIDGE:—This bird as the name implies is a non-native. The development of this species has been rather an enigma. His progress in Ontario cannot be considered spectacular, but reports from certain sections, particularly the southwestern and southeastern counties, seem to indicate that the birds are steadily becoming more numerous. The following report from one of our Field Officers may be of interest:—

> "Concerning the shipment of ten Hungarian partridges which you sent to me last Spring (1938) to be liberated, I thought probably you would be interested to know that at present we have two nice flocks of these birds wintering near my place. One flock consists of about thirty-five birds and the other of about twenty birds. There may still be others around that I do not know of. These birds seem to be very hardy and so far appear to be quite capable of surviving the tough winter and deep snow of this district."

DUCKS:—Reports from various members of the Field Staff indicate that this fine game bird continues to provide enjoyable sport during the regular open season in practically every section of the Province, though as has been observed in previous reports the restrictions which govern the open season and limits of catch as at present existing will require to be continued to maintain the degree of hunting which now prevails.

GEESE:—There are but few sections of Ontario in which goose shooting is available. The James Bay shore in the far northern portion of the Province affords perhaps the best opportunity for this sport, but during the southern Fall migration apparently the only section in which hunting is available is in the extreme southwestern counties.

WOODCOCK:—These birds are not very plentiful anywhere in the Province and are extremely scarce in the north. It would appear from reports that in some eastern Counties and along the Lake Erie shore the most favourable conditions prevail.

SNIPE:—While these birds are somewhat more numerous than the woodcock, practically the same conditions apply, though there are more sections in which their numbers provide desirable sport.

PLOVER:—Continues quite scarce throughout the entire Province, though some slight improvement is reported from different areas in the extreme southerly counties.

During the year under review Regulations were adopted which provided for special open seasons, details of which are as follows:—

(a) Deer in that portion of Carleton County lying west of the Rideau River,—from November 5th to 19th, inclusive. General deer hunting regulations governed.

(b) Deer in the Counties of Grey, Bruce and Simcoe, from November 14th to 19th, inclusive. General deer hunting regulations governed, except that the use of dogs was not permitted.

(c) Pheasants on Pelee Island, on October 21st and 22nd, and October 28th and 29th. Limit of five birds per day. Special Municipal hunting license $5.00, October 21st and 22nd; $3.00, October 28th and 29th.

(d) Pheasants in the Regulated Game Preserve Areas in the Counties of York, Halton, Wentworth, Lincoln and Welland, on October 21st, 22nd and 29th. Limit of three cock birds per day. Special Municipal hunting license $1.00 per day

(e) Pheasants in Westminster Township (Middlesex) Regulated Game Preserve Area, on October 21st and 29th and November 5th. Limit of three cock birds per day. Special Municipal hunting license $1.00 per day.

(f) Pheasants in the Regulated Game Preserve Areas in the Counties of Peel, Haldimand, Brant, Norfolk and Elgin, Metcalfe Township (Middlesex), and Amherst Island (Lennox), on October 21st and 22nd. Limit of catch three cock birds per day. Special Municipal hunting license $1.00 per day.

(g) Pheasants, quail and Hungarian Partridge, in the Counties of Essex (excluding Pelee Island) and Kent, on October 21st, 22nd and 29th. Limit of three cock pheasants, four quail and two Hungarian Partridge per day.

(h) Partridge throughout the Province, (except Regulated Game Preserve Areas), from October 10th to 15th inclusive, and from November 5th to 10th inclusive. Limit of five birds per day and not more than fifteen during the two periods specified.

(i) Black and grey squirrel throughout the Province, on October 21st and 22nd. Limit of four per day.

FUR BEARERS

Conditions as they apply to fur-bearing animals throughout the Province are set forth in the following references, as summarized from reports of members of the Field Service Staff:—

BEAVER:—This species has enjoyed the protection of an entire close season with resulting improvement in many sections, particularly in the northern portion of the Province.

FISHER:—This animal as a species is extremely scarce, and the number trapped in any one season is very limited.

FOX:—There are indications that fox continues to be quite plentiful in many sections and while the figures contained in the following table show a decrease, this may possibly be due to the fact that prices are not sufficient to warrant the trapper taking these animals at this time.

LYNX:—This species is undoubtedly becoming extremely scarce throughout. Reports do not refer to improvement anywhere.

MARTEN:—Also very scarce. As in the case of lynx there are no reports of improvement.

MINK:—These animals are becoming quite scarce in the southern counties. In Northern Ontario conditions remained about usual with some slight improvement in scattered and widely separated areas.

MUSKRAT:—Reports are to the effect that there are many sections in the Province where conditions are favourable and as a result this species was fairly plentiful. It will be noted that there was an increase in the number of these animals which were trapped during the open season in the year under review, but there is no doubt this species will continue to require the protection which has been provided in more recent years.

OTTER:—This species is very scarce in practically every section of Ontario. The annual catch has remained fairly steady, and generally speaking they are available only in Northern Ontario.

RACCOON:—There was quite a noticeable decrease in the catch of raccoon during the open season which prevailed in 1938, though reports indicate that conditions affecting this species remained fairly normal. These animals are found only in the southern counties.

SKUNK:—Reported to be quite plentiful in practically every section of Southern Ontario, though there are a few sections in the north in which they are not so numerous and while the catch during the year shows a large increase, there is no doubt the prices paid for the pelts discourages the average trapper from making any special effort to take these animals.

WEASEL:—Except in southwestern counties reported to be fairly plentiful. While there was an increased catch in 1938-39, the value of the pelt to the trapper is not sufficient to warrant any particular activity for the taking of these animals.

The following comparative table shows the numbers of pelts of various species of fur-bearing animals which were exported from and dressed within the Province, during the year under review as well as in the three years immediately preceding:—

	1935-36	1936-37	1937-38	1938-39
Bear	411	476	496	363
Beaver	6,785	238	235	1,366
Fisher	2,137	2,117	1,463	1,467
Fox (cross)	5,424	4,156	2,426	2,164
Fox (red)	37,044	35,232	24,912	22,366
Fox (silver or black)	500	360	201	131
Fox (white)	883	17	47	142
Lynx	2,642	2,081	1,284	785
Marten	1,282	1,464	1,709	2,074
Mink	47,057	33,930	22,766	25,111
Muskrat	398,043	370,239	343,972	508,893
Otter	3,701	3,779	3,737	3,764
Raccoon	13,259	14,243	13,194	9,493
Skunk	50,747	87,950	61,576	89,100
Weasel	42,643	78,643	79,853	93,488
Wolverine	4	2	5	3

Information compiled in the Department shows that these furs were worth to the trapper the sum of $1,168,409.40 and while this figure is slightly more than $200,000.00 in excess of a similar compilation for the previous year, the increase is largely attributable to the fact that the catch of muskrats in 1938-39 exceeded by 165,000 the catch in 1937-38.

It is again necessary to state that present restrictions which are provided for the protection of the more desirable fur-bearing animals are essential for the maintenance and development of existing conditions which apply.

The fur farmer is gradually supplying the trade with certain classes of pelts which are becoming scarce in the wild, and in this connection the following statistics are supplied in the matter of the product of licensed fur farms which were marketed during the year: Cross fox pelts to the number of 293 were disposed of, 258 of which were exported and 35 dressed in the Province, the value of which was $4,058.05; silver and black fox numbering 38,234 were disposed of, 30,963 exported and 7,271 dressed in the Province, all of which were valued at $658,770.82; and 35,918 mink were disposed of, of which 35,491 were exported and 427 dressed within the Province, all of which were worth $280,519.58 to the fur farmers. Thus the entire fur production within the Province produced the sum of $2,111,757.85 for trappers and licensed fur farmers. The furs above mentioned, and which were produced on fur farms were not subject to the payment of royalty in accordance with the exemption provided in the Game and Fisheries Act.

FUR FARMING

During the year 1,791 fur farmers' licenses were issued, an increase of 255 or more than sixteen percent, the largest annual increase for ten years. These farms may be classified to show 837 as fox farms, 708 as mink farms, 202 mixed farms, (principally fox and mink) and 44 miscellaneous farms.

The subjoined comparative table shows the total breeding stock retained on these licensed premises as at the first day of January in each of the four years enumerated:—

	1936	1937	1938	1939
Beaver	70	21	25	2
Fisher	16	20	16	19
Fox (cross)	367	257	235	197
Fox (red)	228	207	140	120
Fox (silver or black)	21,645	23,869	24,848	22,923
Fox (blue)	5	0	0	98
Lynx	2	2	2	2
Mink	12,332	15,539	21,982	30,378
Muskrat	375	351	302	267
Raccoon	524	358	351	284
Skunk	3	5	9	6
Bear	21	15	15	15
Marten	4	4	11	15

From the foregoing statistical table it will be observed that silver fox and mink represent the greater proportion of the operations thus carried on, while of these mink is rapidly assuming a role of major importance.

The general location of these fur farms is shown in the following table:—

County or District	Number of Farms
Algoma	35
Brant	10
Bruce	69
Carleton	44
Cochrane	13
Dufferin	8
Dundas	5
Durham	20
Elgin	11
Essex	9
Frontenac	47
Glengarry	5
Grenville	7
Grey	125

County or District	Number of Farms
Haldimand	27
Haliburton	1
Halton	24
Hastings	20
Huron	73
Kenora	30
Kent	22
Lambton	28
Lanark	111
Leeds	50
Lennox & Addington	1
Lincoln	4
Manitoulin	67
Muskoka	36
Middlesex	47
Nipissing	18
Norfolk	34
Northumberland	8
Ontario	44
Oxford	33
Parry Sound	24
Patricia	3
Peel	15
Perth	57
Peterborough	10
Prescott	12
Prince Edward	7
Rainy River	31
Renfrew	93
Russell	9
Simcoe	102
Stormont	11
Sudbury	13
Temiskaming	11
Thunder Bay	71
Victoria	21
Waterloo	53
Welland	13
Wellington	34
Wentworth	18
York	97
Total	1,791

CROWN GAME PRESERVES

During the year an important addition was made to the game preserves of the Province by the establishment of a waterfowl sanctuary at Hannah Bay in the James Bay District.

This refuge embraces one of the finest nesting and feeding grounds in the district, and will prevent undue destruction at the source of supply. It has an area of some seventy square miles and extends south from the line projected from East Point on Hannah Bay to the Ontario-Quebec Interprovincial boundary, and north of a line projected from the south bank of the Mississikabe River where it enters Hannah Bay to the Quebec boundary.

A change was made in the boundaries of the Dumfries Game Preserve by withdrawing therefrom all that portion of South Dumfries Township located within the area. This was made desirable by the fact that the whole township of South Dumfries was established as a Regulated Game Preserve Area.

At the same time a small Crown Game Preserve was set up within the Township of South Dumfries.

The designation, location and approximate size of the areas are as follows:—

DESIGNATION	COUNTY	EXTENT IN ACRES
Hannah Bay Waterfowl Sanctuary ...	Cochrane District	44,800 approx.
xDumfries Game Preserve	Waterloo	14,000 "
South Dumfries Crown Game Preserve	Brant	1,200 "

x Reduced in size.

REGULATED GAME PRESERVE AREAS

In introducing the subject, it seems desirable to say a few words as to the reasons for the inauguration in 1937 of this system of further control in connection with hunting.

For many generations the sportsmen of the Province have been privileged through the goodwill of the landowners, to make free use of private property in their pursuit of game. It should be noted, however, that while game is a common heritage, the land which it inhabits, particularly in Southern Ontario, is mostly privately owned. To reduce the game to possession, the hunter must have the goodwill of the landowner, failing which, a spirit of antagonism is set up between the two which results in the cancellation of the privileges of entering upon the lands to hunt game. Recognizing this fact, and feeling that any plan which would have the effect of eliminating the grievances of the farmer through more rigid control of the hunter would be in the best interests of the sport, the Department formulated a plan for the establishment of regulated shooting areas in certain Townships.

To better understand the conditions which apply, it should be noted that in most of these areas the available hunting consists of upland game birds, rabbits and ducks. The latter two are fairly plentiful and provide most of the hunting. For many years the Department has been endeavouring to stock suitable areas of the Province with English Ringneck Pheasants and although the results in certain counties were sufficiently successful to warrant open seasons, in others development was somewhat slow. Most of these latter areas never were opened to pheasant hunting and the good sportsman refrained from molesting the birds.

The opening of a short pheasant season in a few districts such as the Niagara Peninsula also resulted in a large influx of hunters to these areas. A congestion of hunters in any district leads to many complications and much unfavourable publicity. and in any case, where facilities are limited and many desire to take part, the result is usually unsatisfactory.

Another situation which frequently created a great deal of annoyance to rural residents was the heavy influx of hunters from urban centres who literally swept over the countryside on jack rabbit drives. These drives were not always well conducted or carried out with a proper regard for the property rights of the farmer. As a result friction sprang up and bad feeling ensued.

All of these factors were taken into consideration in devising the scheme of Township Regulated Shooting Areas.

What are the advantages of such regulated areas? In the first place, the control exercised through limiting the number of non-residents who may hunt in the area, and the protection afforded the farmer, as well as the wild life, through the closing of the area to all hunting except during a small portion of the year, has brought about a better spirit of co-operation between the farmer and the sportsman. The former is willing to open his lands to such reasonable demands, and the latter has reasonable assurance that when he has bought a license he will not be embarrassed by being ordered off the land, unless it is privately posted against trespass, and that through the extensive planting of birds within the area he will be reasonably sure of at least the opportunity of obtaining some game.

Reports received by the Department from Municipalities which have had the opportunity of trying out the scheme are unanimous in designating it a success.

This experiment in controlled areas for hunting, particularly in regard to pheasants, received a great deal of publicity. Some fifty townships were involved in 1938 and in order that there might be sufficient pheasants to justify an open season, the Department distributed within the regulated areas close to 16,000 of these birds in such proportions as the size of the area warranted. Here it should be noted that the birds were raised or purchased for the purpose of providing a shoot, by means of funds supplied by the sportsman himself in the form of licenses of one kind or another. The pheasants released in each township, added to the existing natural stock, created a supply sufficient to warrant an open season and give the hunter reasonable assurance of good sport.

For the benefit of those who may be under the impression that such extensive shooting would probably result in near extinction of the species it is pointed out that under the conditions involved the birds should become more numerous than ever before. To appreciate this contention it is necessary to remember that the pheasants released by the Department were in almost equal proportions in so far as sex is concerned. During the open season only cock birds were included in the bag limit, which left the hen birds, amounting to fifty per cent of the additional stocking, for breeding purposes.

The pheasant is a prolific breeder, each nest consisting of from fifteen to twenty or more eggs, and two hatches per year being quite common. Obviously, therefore, if suitable habitat is available the stock will replenish itself, despite the toll of the hunter during a brief open season.

In view of all the facts, as disclosed by these reports, it is apparent that regulated shoots can be organized without in any way providing a menace to life or property or seriously interfering with the development of the species concerned. It is essentially a matter of co-operation. In this respect the Department acknowledges with pleasure the splendid co-operation of the municipal authorities, the landowners and the sportsmen in making the scheme an unqualified success from the standpoint of order, good will and recreational pleasure.

The following is a schedule of the Townships which were included in this scheme of Regulated Game Preserve Areas, during 1938:—

The Townships of Markham, King, East Gwillimbury and Scarborough in the County of York.

The Townships of Caledon and Chinguacousy in the County of Peel.

The Townships of Nelson and Trafalgar in the County of Halton.

The Townships of Ancaster, Barton, Beverley, Binbrook, East Flamboro and Saltfleet in the County of Wentworth.

The Townships of Caistor, Clinton, Gainsboro, Grantham, Louth, Niagara, North Grimsby and South Grimsby in the County of Lincoln.

The Townships of Bertie, Humberstone, Willoughby, Pelham, Thorold, Crowland, Wainfleet and Stamford in the County of Welland.

The Townships of Canboro, Dunn, North Cayuga, Oneida, Rainham, Seneca, South Cayuga, Walpole, Moulton and Sherbrooke in the County of Haldimand.

The Townships of Onondaga and South Dumfries in the County of Brant.

The Townships of Townsend and Windham in the County of Norfolk.

The Township of Dereham in the County of Oxford.

The Townships of Bayham and South Dorchester in the County of Elgin.

The Township of Metcalfe and a portion of the Township of Westminster in the County of Middlesex.

WOLF BOUNTIES

The following is a comparative table of condensed wolf bounty statistics for the current fiscal year and the three years preceding:—

Period	Timber	Brush	Pups	Total	Bounty & Expenses
For year ending Mar. 31, 1936 .	1,159	1,713	33	2,905	42,399.89
For year ending Mar. 31, 1937 .	1,090	1,197	31	2,318	33,360.63
For year ending Mar. 31, 1938 .	1,022	837	30	1,889	27,474.24
For year ending Mar. 31, 1939 .	1,031	723	41	1,795	25,357.00

During the year 1,341 applications for wolf bounty were considered in respect of some 1,837 wolves. Bounty was paid on 1,311 of these claims representing 1,795 wolves as enumerated in the preceding table, while the claims for bounty of twenty-seven applicants involving some forty-two supposed wolf pelts were rejected.

The payment of bounty under the provisions of the Wolf Bounty Act continued at basic rates of $15.00 for adult wolves and $5.00 for pups under the age of three months.

The following table sets forth in detail the sources of origin of the various pelts for which application for bounty was made:—

ANALYSIS OF APPLICATIONS FOR WOLF BOUNTY

County or District	Number of Timber	Number of Brush	Number of Pups	Total Pelts
Algoma	120	110	4	234
Bruce	20	13	...	33
Carleton	...	4	...	4
Cochrane	28	4	...	32
Essex	...	1	...	1
Frontenac	2	4	7	13
Grey	...	5	...	5
Haldimand	...	1	...	1
Hastings	11	1	9	21
Haliburton	...	12	...	12
Kenora	274	123	...	397
Lambton	...	2	...	2
Lanark	...	1	...	1
Lennox & Addington	4	3	...	7
Manitoulin	18	79	9	106
Muskoka	34	3	...	37
Nipissing	56	21	...	77
Norfolk	...	5	...	5
Northumberland	...	1	...	1
Ontario	1	1	...	2
Parry Sound	51	4	...	55
Patricia	42	13	...	55
Peterborough	5	...	...	5
Rainy River	125	153	...	278
Renfrew	31	1	...	32
Simcoe	4	1	10	15
Sudbury	63	91	...	154
Temiskaming	2	8	...	10
Thunder Bay	141	79	10	230
Victoria	3	4	...	7
Welland	...	4	...	4
York	...	1	...	1
	1,047	741	49	1,837

Total expenditures which were incurred in the administration of the Wolf Bounty Act were the sum of $25,435.24, of which, as has been previously stated, the sum of $25,357.00 was actually paid out as bounty, and details of which payments are set forth in the following statistical table:—

Brush Wolves	50	@ $ 6.00	$ 300.00	
	673	@ $15.00	$10,095.00	
	723			$10,395.00
Timber Wolves	73	@ $ 6.00	$ 438.00	
	958	@ $15.00	$14,370.00	
	1,031			$14,808.00
Pups	17	@ $ 2.00	$ 34.00	
	24	@ $ 5.00	$ 120.00	
	41			$ 154.00
TOTAL	1,795			$25,357.00

In respect to wolves killed in a County, bounty is paid by the County Treasurer, and forty per cent of the amount is rebated to the Counties by the Provincial Treasurer. In the Northern Districts the total amount of bounty is paid by the Province.

It is of interest to note that 59% of the wolves killed in 1938-39 were classified as timber wolves, whereas the ratio was 55% in 1937-38, 48% in 1936-37 and 40% in 1935-36.

GENERAL

TOURIST OUTFITTERS:

The following is an analysis of the distribution by Districts of the camps of tourist outfitters licensed to operate in Ontario during the year:—

District	Licenses		
	Non-Resident	Resident	Total
Algoma	7	73	80
Cochrane	0	3	3
Kenora	17	97	114
Manitoulin	3	43	46
Nipissing	9	88	97
Parry Sound	5	102	107
Patricia	0	3	3
Rainy River	4	23	27
Renfrew	0	9	9
Sudbury	2	60	62
Temiskaming	0	3	3
Thunder Bay	4	20	24
Total	51	524	575

DEPARTMENTAL BULLETIN:

With reference to the publication of the "Bulletin" and the purpose for which it is prepared and distributed we quote the following extract from the issue of April, 1938:—

"With this number we conclude volume two of the Bulletin, being the first of the series in its present form. During the year we have attempted to keep before us the fact that the Bulletin has a special mission to perform, viz, the stimulation of interest in the conservation of our wild life natural resources, and the education of the public in the wise use of this valuable heritage. No attempt has been made to usurp the place of the sporting magazines, which are doing a valuable work along the same line, nor to enter the field of romance and story in connection with the recreational pleasures of hunting and fishing. It has been our object to present as simply, and as pithily as possible, the many difficult and complex problems with which the conservation of our wild life is bound up; to give in everyday language brief facts concerning the life history of many species of fish and game; to point out the responsibility of the individual in connection with the protection of our natural resources, and to encourage the work of the Sportsmen's Protective Associations and all other organized effort which has for its object the Restoration, Preservation and Perpetuation of our wild life. The activities of the Department have not been forgotten and we hope that the information which is published from time to time will serve to keep the sportsmen informed as to what is being done in their interest.

And now, with the experience of the first two volumes behind us we would like to expand our opportunities for effective service by a closer contact with sportsmen and sportsmen's associations. We therefore invite our readers to assist us by contributing such personal experiences while hunting or fishing as might help us to a better understanding of the relationship which exists between birds, beasts, fish and plant life; or other ideas of non-controversial nature along conservational lines—obviously matters of Departmental policy cannot be discussed in the

Bulletin. Association Secretaries might also keep us informed of their activities so that proper reference could be made.

We acknowledge our indebtedness to the press for the additional publicity given to many of the atricles appearing in the Bulletin, and hope that Editors will feel free to use any material they may find suitable for republication.

As a result of the educational and publicity work which is being carried on by sportsmen's organizations, nature clubs, the press, sporting magazines and the Department, the public is to-day more conservation-minded than ever before and this fact augurs well for the future of the movement. We believe that more real success can be attained through education than through prosecution, although human nature is such that enforcement will always be essential for protective purposes. With this in mind we pass from the old to the new, conscious of our shortcomings, but with the hope that our efforts to stimulate interest have not been entirely in vain."

GAME AND FISHERIES ACT:—

The present laws and regulations are a most important part of the general programme for the conservation of our fish and game resources. They are the result of practical experience plus the biological knowledge acquired after years of research. They are restrictive only in so far as is necessary to ensure proper use and a continuous supply. Close seasons are provided in the interest of natural reproduction and are determined from a study of the life history of the various species. Bag limits and limits of size are intended to ensure an equitable distribution of the available resources. Obviously limiting the take helps prevent waste.

In every walk of life there are certain laws and conventions which govern, and these we must know and observe or suffer the consequences. The observance of the laws which regulate the taking of fish and game is of major importance in securing for every citizen the opportunity to enjoy the recreational pleasures which wild life affords. It is the duty of every sportsman, therefore, to make himself familiar with these laws and, having done so, see that his actions afield are in keeping therewith. Co-operation in this regard will help to conserve a valuable heritage.

What impresses one at meetings of the Legislative Fish and Game Committee is the evident sincerity in the cause of wild life conservation of the delegates who attend to present recommendations, and the entire absence of requests that might be termed selfish or shortsighted. The success of the conservation movement lies in the development of this spirit of co-operation through individual and organized effort, and if the tone of the representations which are made before this Committee is a reflection of the attitude of the public, then a new conception of individual responsibility for the protection and restoration of our game and fish resources has been born, and this will undoubtedly be an important factor in providing and maintaining better hunting and fishing.

Amendments enacted by the Legislative Assembly and which became effective during the year included the following provisions:

(a) Rescinding the definition of the word "monitor," as used by duck hunters.

(b) Authorizing the issue of special hunting licenses by Municipal authorities to be valid in Regulated Game Preserve Areas.

(c) Providing an entire close season for moose in portions of Sudbury, Nipissing and Temiskaming, in the southeastern part of Northern Ontario, and in Rainy River and that part of Kenora south of the main transcontinental line of the Canadian National Railway in the southwestern part of Northern Ontario.

(d) Providing that the open season for muskrat be annually established by Regulation.

(e) Changes in the provisions which govern the operation and licensing of Tourist Outfitter's Camps.

(f) Providing that non-resident hunters shall engage the services of licensed guides while hunting deer in the Districts of Rainy River and Kenora.

(g) Providing a limit of catch on cotton tail rabbits in the Counties of Essex and Kent, and prohibiting the purchase and sale of these animals in these two Counties.

(h) Permitting the use of automatic shotguns by hunters when such firearms are permanently plugged to hold not more than three shells.

(i) Mining camps included among the places where it is unlawful to possess or carry firearms.

(j) Permitting non-resident anglers to export the lawful catch of two days' fishing of all game fish species. (One day's catch only in the case of Maskinonge.)

Amendments to the Fisheries Regulations adopted during the year include the following provisions:—

(a) Rescinding the definition of the term "one day."

(b) Including Hog's Back Dam, on the Ottawa River, among the waters in which it is prohibited to use spears and dip nets to take coarse fish during April and May.

(c) Changes in the open seasons for Maskinonge, Pickerel and Whitefish.

(d) Changes in the special regulation which applies to fishing in the waters of Victoria, Peterborough, Northumberland and Durham.

ENFORCEMENT SERVICE

Years ago the enforcement of laws in connection with hunting and fishing was almost negligible. There were few Game Wardens, and those who held the appointments were paid so poorly that they could not devote their full time to the work, and found it more advantageous to close their eyes to much that took place. As a result of this condition, law observance was at a low ebb and wild life suffered thereby. Gradually, however, an efficient and effective protective service has been built up and is doing splendid work in connection with the enforcement of the Game and Fisheries Act.

The work of the Overseer, or Game Warden, is beset with many difficulties. In the first place, he must of necessity cover an extensive territory, much of it off the beaten track; and in the second place, he is faced with an attitude on the part of a section of the public which implies a lack of any serious moral qualms over non-observance of the Game and Fisheries Laws.

The Game Warden in invariably courteous in carrying out his duties, but his task would be much easier if all those who hunt and fish would recognize that the laws are intended to ensure the greatest pleasure for the greatest number and that to disregard the rules of the game is to deprive posterity of its rightful share.

At the present time there are some ninety permanent Wardens devoting their full time to enforcement work. The services of this field staff are augmented by the assistance of the Provincial Police Force, as well as certain seasonal officers who are employed for varying periods in order to provide adequate patrol service along certain waters during the spring and fall fish spawning periods, as well as enforcement work during the various hunting seasons.

We are happy to report that the general body of sportsmen never were so conservation-minded as they are to-day. As proof of this we would point to the fact that in 1938 more than 1,500 sportsmen voluntarily offered their services to, and were accepted by the Department as Deputy Game Wardens, in addition to 633 who were provided with such appointments at the request of Municipal organizations to assist in enforcing the regulations which govern in the Townships created as Regulated Game Preserve Areas. These men are clothed with all the authority necessary to enforce observance of the Act. It is obvious that the practical support and moral effect of this army of voluntary workers is of very great importance in preventing abuses of the privileges enjoyed by sportsmen.

During 1938-39 there were some 1,878 cases in which offenders against provisions of the Game and Fisheries Act and Regulations were apprehended by Game and Fisheries Overseers and others authorized to act in the way of securing observance of these provisions, and in which cases various articles of hunting, trapping and fishing equipment and the product thereof were confiscated at the time of apprehension. A compilation of the various reports of seizure submitted by the officers concerned shows that such action was provided by Game and Fisheries Overseers in 1,638 of these cases, by members of the Ontario Provincial Police Force in 78 cases, by Deputy Game and Fishery Wardens in 69 cases, and in the remaining 93 cases seizures were made by co-operative action of Overseers, Provincial Police and Deputy Game Wardens.

A condensed summary of the articles confiscated shows the following:—

Live animals	in 32 cases
Birds, game animals and meat	in 226 cases
Firearms and ammunition	in 760 cases
Fish	in 275 cases
Nets and Fishing equipment	in 327 cases
Angling equipment	in 114 cases
Pelts and hides	in 287 cases
Traps and equipment	in 132 cases
Water craft	in 51 cases
Motor Vehicles	in 17 cases
Lights	in 42 cases
Spears	in 63 cases
Miscellaneous articles	in 56 cases

This total of 2,382 does not correspond with the actual number of seizures, viz:—1,878 by reason of various entries on some seizures. For instance an irresponsible hunter might lose a gun and some birds or game animals, a trapper operating contrary to the regulations some traps and pelts, an indiscreet angler his fishing rod and some speckled trout or bass, while there would be instances where spears, lights and fish would be involved in each case, as well as other combinations which would account for the apparent discrepancy.

Included among the pelts confiscated were 947 beaver, 2 fisher, 89 fox, 8 marten, 32 mink, 501 muskrat, 16 otter, 68 raccoon and 304 weasel.

The following comments, extracted from issues of the Bulletin, concerning the sales of confiscated articles and furs, will be of interest.

Those who have any doubts as to the efficiency of the work which is being done to curb law breaking, or the need for eternal vigilance to protect a common heritage, would do well to arrange to visit one of the sales of confiscated articles conducted by the Department and, in viewing the multiplicity of weapons seized for illegal use, read the story of why conservation is necessary for the perpetuation of wild life. The rows of firearms stacked so menacingly around the room remind one forcibly that their late owners failed to play the game, and in doing so not only broke the law but menaced the rights of others. The weapons include almost every make and calibre of gun, from the toy .22 to the deadly automatic and the modern "pump." Each of them has a story of its own, a story of deliberate law breaking and swift retribution.

There are those of ancient vintage which attracted attention, principally because they lack the refinements of the modern firearm. or because they conjure up memories which are probably better forgotten.

There is a long line of those efficient little nomads, the .22. They run the gamut of make and style, from the cheap little toy to the high-powered repeater. Most of them are in good shape, but there are a few whose general appearance shows a lack of care.

In addition to the firearms there is a miscellaneous collection of fishing rods, reels, lines, baits, minnow pails, axes, flashlights, lanterns, haversacks and traps. As showing the extent of the illegal destruction which takes place and as a pleasing commentary on the work of the protective officers, we would add that there were some 940 traps in the various lots offered in the sale held in September 1938.

The following is a summary of the confiscated articles offered at this sale. Shotguns 67, rifles 45, .22 rifles 106, fishing poles 39, miscellaneous items 34, traps 940. When it is remembered that in almost every case a fine or alternative gaol sentence was imposed, in addition to the loss occasioned by the confiscation of equipment, it should be a stern warning that "the way of the transgressor is hard!"

For several days in February, 1939, the Department vault and storage room resembled a fur warehouse. Exposed for the inspection of buyers was the largest collection of confiscated pelts the Department has ever handled in any one year. This collection included the following pelts:—

Beaver	993	Mink	35
Muskrats	778	Weasel	96
Fisher	3	Squirrel	87
Lynx	2	Raccoon	62
Otter	14	Skunk	2
Fox (cross)	9	Wolves	3
Marten	14	Fox (red)	25

In addition to this record assortment of confiscated furs there was a collection of silver fox pelts together with some red fox and mink from the Fur Farm, and a small mixed group taken in Provincial Parks and included by the Department of Lands and Forests.

For the benefit of prospective buyers the furs were open to inspection for four days, and during that period they were constantly being turned over, examined and appraised by keen-eyed, shrewd buyers. Bidding for the various lots was in the form of sealed tender, so that those interested had to go over them carefully and determine finally what they were worth to them in a competitive market. The result of the sale surpassed the expectations of the Department and added considerably to the annual revenue. For example, the 993 beaver pelts brought a total of $14,535.

while the balance of the seized furs sold for $1,700.85. The confiscated furs therefore brought a total of $16,235.85.

Around this brief mention of the fur sale is a story of never-ending vigilance on the part of the field force; that silent but effective group of Overseers whose mission is to enforce the Game and Fisheries Laws and see that the wild life resources of the Province are protected from the pilfering propensities of the poacher. A glance at the summary of confiscated pelts given herein will convince the most indifferent that there is a real necessity for such keen watchfulness. Take the case of the beaver for example. These animals were destroyed during a year when there was a completely closed season on beaver, and in addition a large percentage of them had been purchased from poachers by unscrupulous fur buyers, who, in turn, would be forced to dispose of them by further dishonest manipulations. The irony of these extensive seizures of beaver pelts is that the season was closed because it was felt that the animals required protection against trapping for a period, in order to increase their numbers, and the good trapper, realizing that such a measure was in his own interest, respected the restriction. The poacher, on the other hand, apparently found in the restriction an opportunity to enlarge his activities, aided and abetted by certain irresponsible buyers.

As showing the widespread nature of these illegal practices we mention the fact that 80 beaver came from the Patricia District; 41 from Algoma; 17 from Renfrew and 51 were seized in Toronto. The balance in small numbers came from all over the Province.

The same general remarks apply with regard to the other furs. They were seized for a variety of reasons, but in all cases breaches of the act were involved.

It is but fair to add that, despite this tale of unlawful taking, the score is not all bad. It has been noted, for example, that some 32 beaver accidentally caught in traps set for other legal fur, were forwarded to the Department for disposal, by the trappers themselves.

Notwithstanding the fact that the general public is becoming more informed on the value of wild life and the necessity for ensuring its conservation the poacher and the illegal taker are still in our midst.

As a result of the vigilance of protective officers we find that during the year under review there were some 1709 cases of violations prosecuted through the Courts, and in 1581 of which cases convictions were registered and fines collected totalling in all the record sum of $26,245.40.

An analysis of these cases shows that Game and Fisheries Overseers were responsible for the charges in 1510 instances, members of the Provincial Police Force in 98 cases, Deputy Game Wardens in 21 cases; while co-operative action was responsible in 80 cases. Particulars of some of the more glaring cases which were prosecuted through the year are as follows:

(a) Illegal trafficking in partridge, in the County of Carleton, convicted and fined $1,000 and costs;

(b) Illegal possession, sale and purchase of partridge, in the County of Carleton, three persons involved, convictions registered in all cases, total fines of $400 and costs;

(c) Illegal trafficking in pheasants, in the County of Middlesex, 34 birds seized, convicted and fined $340 and costs;

(d) Unlawful killing of Hungarian partridge, in the County of Wentworth, 10 birds seized, convicted and fined $100 an costs;

(e) Possession of more than legal catch of pheasants, on Pelee Island, 16 birds seized, convicted and fined $160 and costs;

(f) Taking excessive numbers of undersized speckled trout, in the District of Parry Sound, five persons apprehended,—convicted, penalties in all totalled $123.75;

(g) Taking excessive numbers of undersized speckled trout, in the County of Renfrew, three persons apprehended,—convicted, total penalties in each of the three cases $126.75; and

(h) Illegal possession of beaver, involving a licensed fur dealer, in Northern Ontario,—23 charges, convicted and fined a total of $16,395 or in default of payment to be confined for two years and six months, less one day in a Reformatory. In addition to this sentence there were seized from the offender, 444 beaver, 10 otter, 7 marten, 1 fisher, 2 mink, 2 cross fox and 31 muskrat.

We ask the sportsmen to notice two things in connection with these various offences. The first is that no stone is being left unturned by the Department to bring the law-breakers to justice. The second is that illegal depredations, if unchecked, may assume extensive proportions; as is evidenced by details of the cases above noted.

THE FISH CULTURE BRANCH

The vast waters of our Province, among the finest in the world, constitute our most widely distributed recreational agencies, and their importance from the recreational and health standpoints is of immeasurable value to our people. This attraction lies in the entrancing beauty of our lakes and streams, and the excellent fishing which they provide. The development and maintenance of these game fishing interests in a practical manner is one of the primary functions of the Department.

Ontario's commercial fishing industry is also of considerable economic importance, and in point of annual marketed value of fresh water fish, Ontario stands first among the Provinces. In appendices 3 and 4, information pertaining to this valuable enterprise is compiled for reference purposes.

In its wider and truer meaning fish culture is closely linked to aquatic biology, physics, commercial fishing and angling, and it is difficult to give a comprehensive definition of the term. However, for all practical purposes it may be said that a progressive fish culturist is one who measures his success in terms of the good fishing resulting from his labours, and in view of the results being achieved in this connection fish culturists should be very optimistic about future possibilities in this field.

During the regular open seasons there is a tremendous drain on the fish supply, particularly in the more populated areas where waters are more readily accessible. The menace of over-fishing which is one of the major causes of depletion has become more seriously apparent since the development of the automobile and motor boat; these two useful contrivances have made it possible for a much larger percentage of the population to go fishing. In view of these conditions, a practical restocking policy is followed by such regulations and practical measures as are consistent with the conservation of the fisheries. The eminently reasonable aim of fish laws is to ensure a plentiful supply of commercial and game-fish to future generations of Canadians.

Conservation means wise use. Fish do not grow by magic and in order to obtain larger and better fish, they must be permitted to grow and reproduce normally;

nature is wonderfully endowed with recuperative powers and, if given a chance, it is surprising how quickly fish will multiply under properly balanced conditions of food and shelter. On the other hand, if a suitable number of adults is not left to reproduce we should not be surprised to find an increase of undesirable species. It is wise for fishermen to remember that a body of water produces a definite number of adult fish, depending on the food, natural enemies and possibilities of reproduction. Fishermen generally are beginning to realize the importance of this fundamental factor and many are content with the minimum, rather than the maximum creel limit.

Within the compass of this report the salient features of the progress made during the year in connection with fish cultural practice are set forth.

HATCHERIES AND REARING STATIONS

During the year the Department operated twenty-six hatcheries and rearing stations. The actual number of hatcheries operated was twenty; trout rearing stations, fifteen; and bass rearing stations, five.

New and additional facilities for hatching and rearing fish during the fiscal year 1938-39 were provided for in a very satisfactory manner as follows:

1. Additional raceways were constructed at the Dorion trout rearing station, Thunder Bay district, to increase the carrying capacity of the hatchery.

2. A trout rearing station subsidiary to the Glenora fish hatchery was operated on Waring's creek, Prince Edward county.

3. Two additional ponds were constructed at the Chatsworth trout rearing station and a subsidiary station was developed on Nicholson's creek, in the same vicinity.

4. Construction of a new trout rearing station at Hill's Lake, vicinity of Charlton, district of Temiskaming, was commenced.

5. Three additional bass ponds, making a total of five, were completed at Sandfield, Manitoulin Island; four of these ponds were used for wintering trout in 1938-39.

6. Five bass ponds and a pickerel hatchery were constructed at Skeleton lake, vicinity of Ullswater, Muskoka district; four of these ponds were used for wintering trout in 1938-39.

7. Three ponds were completed at Deer lake, vicinity of Havelock, Peterborough county, for the rearing of black bass, maskinonge and forage fish; a hatchery for maskinonge and pickerel was also completed at this site. Two of these ponds were used for wintering trout in 1938-39.

THE CULTURE AND DISTRIBUTION OF FISH

Speckled Trout:

The policy of rearing large numbers of trout to yearling and older stages for distribution to suitable public waters which require restocking was vigorously pursued. The following comparative distribution figures show the successful results obtained and the definite progress that is being made:

1936	557,270
1937	1,167,073
1938	2,083,538

In addition, 373,314 fingerlings were planted, slightly fewer than the number planted the previous year. The policy of planting fry and small fingerlings will be abandoned, unless a surplus is available or crowded conditions warrant distribution.

Brown Trout:

The Department continued the policy of rearing brown trout yearlings for restocking suitable streams in southern Ontario, and the results are most encouraging.

During the year approximately 59,600 sizeable yearlings were planted and plans are under way for increasing facilities for handling larger numbers of this species.

Rainbow Trout:

(a) Steelhead trout—

Excellent progress was made in connection with the rearing of rainbow trout fingerlings; an increased production of 205.5 per cent was obtained. In addition to this 6,727 yearling and adult rainbows were distributed.

(b) Kamloops trout—

The advantages to be derived from planting this variety of rainbow trout in spring fed lakes, which show similar characteristics to those inhabited by speckled trout, were set forth in the previous report of the Department.

Twenty-five thousand eight hundred fingerlings of this variety were planted during the year. As soon as a plan can be developed, a substantial number of yearlings will be planted annually in conjunction with surplus fingerlings which cannot be carried over winter. Annual egg production will depend on a domesticated breeding stock which is being developed.

Lake Trout:

The total distribution of eyed eggs and fry was approximately 28 per cent greater than the previous year. There was a decrease of 33 per cent in the distribution of fingerlings.

The successful collection of large numbers of lake trout eggs in the fall of the year by commercial fishermen working in conjunction with the Department's spawntaking crews, depends primarily on weather conditions. It is obvious that the technique governing the successful collection of spawn cannot be carried out in a most satisfactory manner during rough and stormy weather on the Great Lakes. Conditions of this nature existed during the spawning season of lake trout in 1938.

Whitefish:

There was a decrease of approximately 15.6 per cent in the distribution of whitefish fry as compared with that of the previous year; this was due to two factors, firstly the spawntaking harvest in the vicinities of Kenora and Fort Frances was greatly reduced on account of an early freeze-up, and secondly the spawning run of fish in the Bay of Quinte area, Lake Ontario, was much smaller than in previous years.

Herring:

The distribution of herring fry was more than nine times that of the preceding year. This distribution was due in the main to the increased collection of spawn on the Bay of Quinte area, Lake Ontario. Small collections were made on Lake Erie but, as was pointed out in the previous year's report, there are many hopeful signs of the return of the herring or cisco in Lake Erie. The reason for this may be ascribed, in part at least, to the effective legislation imposed and enforced in regard to commercial fishing in this lake. If the present population of herring in the lake is permitted to spawn once, and preferably twice, before being taken commercially there will, undoubtedly, be a very decided increase in the production of this valuable commercial fish. As was pointed out in the introduction to this report, nature is wonderfully endowed with recuperative powers and if given a chance it is amazing what can be accomplished. Much larger collections of spawn are anticipated in succeeding years.

Yellow Pickerel:

There was an increased distribution of fry amounting to approximately 3 per cent over that of the previous year.

Following the usual practice approximately two million eyed eggs were handled by the Sparrow Lake hatchery, the fry being distributed over suitable areas in Sparrow lake.

Small-mouthed Black Bass:

Although there was a decrease of 37 per cent in the distribution of small-mouthed black bass fry, this was greatly offset by an increase of 19.7 per cent in the distribution of fingerlings.

There was also an increased distribution of yearlings and older bass, amounting to 1,840, as a result of bass harvesting from the following lakes,—Cook's lake (Thunder Bay district), Lake Charlotte (Renfrew county) and Little Gull lake (Haliburton county).

Large-mouthed Black Bass:

Following the practice of previous years, one pond was set apart at Mount Pleasant for the culture of large-mouthed black bass. This pond produced 57,500 fry and 8,035 fingerlings. Since this pond is only 0.64 acres in area, the production record is an excellent one.

Yellow Perch:

During the spawning run of the perch in the spring of the year, spawn is collected by commercial fishermen working in conjunction with our own hatchery officers. This work is conducted at the west end of Lake Erie near Kingsville. The eggs are cultured in the hatchery in that vicinity and the resulting fry are widely distributed over natural spawning areas in the lake. This work is of the utmost importance considering the commercial value of perch fishing in Lake Erie.

The distribution of perch fry was over six times that of the previous year, due to a much larger spawning run of this desirable species in the vicinity in question.

Blue Pickerel:

The blue pickerel is of considerable commercial value in Lake Erie and it is desirable to supplement the work of nature in maintaining production on a proper basis. For the second season spawn was collected at the west end of Lake Erie and approximately one-half million blue pickerel fry were liberated.

Maskinonge:

The distribution of maskinonge fry was approximately 376.5 per cent greater than the previous year.

The difficulties attending the collection of spawn and the culture of this important species were pointed out in the previous year's report. This report also gave an outline of the work being done by New York, Wisconsin and Minnesota along similar lines. The ways and means by which the Department is undertaking to maintain this important species are,—

1. Restriction of bag limit and number of days' fishing.
2. Protection of the normal population in sanctuary areas. The report for 1936-37 contains an explanation of the purpose of such sanctuaries.
3. The planting of fry in suitable areas.
4. Further studies regarding the possibilities of rearing fry to the fingerling stage.

With reference to item 4. facilities will be provided during the next fiscal year to experiment on a proper basis with the culture of maskinonge from the fry to the fingerling stage. For this purpose, a hatchery and pond have been constructed at the outlet of Deer Lake, Belmont township, Peterborough county. The water supply is adequate and of suitable composition. A minnow pond for the production of forage fish for the growing maskinonge is also available at this site.

In addition to this, a large natural area will be set aside in the Kawartha lakes district for the purpose of studying in an experimental way the conditions required for the successful propagation of maskinonge in natural areas.

CLOSED WATERS

In addition to the waters already closed for the natural protection and propagation of fish, the following water areas were closed during the year, April 1, 1938, to March 31, 1939:

BERRY CREEK, tributary to Long Bay, Lake of the Woods, District of Kenora.

BLACK DUCK LAKE,
Township of Harvey, County of Peterborough.

CHEMONG LAKE (Portion)
Township of Emily, County of Victoria.

CHEMONG LAKE (Portion)
Township of Smith, County of Peterborough.

DUCK PONDS,
Township of Dummer, County of Peterborough.

GOOSE LAKE,
Township of Fenelon, County of Victoria.

GOOSE LAKE,
Townships of Fenelon and Somerville, County of Victoria.

KATCHIWANO LAKE.
Township of Smith, County of Peterborough.

LITTLE MUD LAKE (Chemong Lake)
Township of Smith, County of Peterborough.

McVICAR'S CREEK,
Within limits of city of Port Arthur, Thunder Bay District.

SEARIGHT'S BAY (North River),
Township of Belmont, County of Peterborough.

SOUTH BAY (Stony Lake),
Township of Dummer, County of Peterborough.

TAYLOR'S BAY and MUNN'S BAY (Belmont Lake),
Township of Belmont, County of Peterborough.

WHITEFISH, BASS and CLEAR LAKES,
Township of Humphrey, District of Parry Sound, during the period January 23, 1939, to April 30, 1939.

REMOVAL OF COARSE FISH

Between December 16, 1938, and February 4, 1939, twenty-seven hoop nets were operated for the removal of ling from waters located as follows:

(a) In Leeds County—Rideau Lake, Bass Lake, Red Horse Lake, Outlet of Charleston Lake and Barker's Creek.

(b) In Lanark County—Bennett's Lake and the Tay River.

The total number of ling taken was 3,305; the average weight of the ling was 6 pounds, making the total weight of ling removed 19,830 pounds, or approximately 10 tons.

BIOLOGICAL SURVEYS

Biological surveys were conducted in Thunder Bay district on Northern Light lake, located approximately twelve miles south of Moss township, on the Pigeon river, Whitefish lake (Strange township), Arrow lake, located approximately six miles south-west of Strange township, and Shikag lake, which is located about seven miles north-east of Tannin. The purpose of these studies was to determine the advisability of permitting commercial fishing on these lakes. Studies were conducted on the following waters, with a view to determining their suitability as sanctuaries for black bass, namely,—Hart lake, Stonehouse lake, Upper Rock lake, Lower Rock lake, located in the township of Storrington, Frontenac county; Crow lake (Crow's Nest lake) and Lake Opinicon, township of South Crosby, Leeds county; and a water area in the vicinity of Portland, Big Rideau lake, township of Bastard, Leeds county.

Dams on the Beaver river, township of Collingwood, Grey county, and at the outlet of West Lake, township of Hallowell, Prince Edward county, were examined with reference to the obstructions created by these dams to migratory fish, and the biological effects resulting from changing water levels in the latter instance.

Pollution surveys were conducted on a branch of the Aux Sables river, township of Usborne, Huron county; Smith creek, township of Blenheim, Oxford county, and the St. Lawrence river, vicinity of Cornwall, Stormont county.

The Ontario Fisheries Research Laboratory of the Department of Biology, University of Toronto, continued field and laboratory studies of lakes and streams in Algonquin Park during 1938-39, and the following is a concise account of this important work:

"The anglers fishing in the Park have cooperated by supplying a record of the fish which they caught. Such information is now available from a good many lakes for the last four years.

Year	1936	1937	1938	1939
Number of lakes for which anglers have reported	23	51	41	59
Number of lake trout recorded	1414	3856	3083	4681

In addition to recording the number of fish caught, the anglers also report the size of the fish and the length of time it takes to catch a given number. It was found that the length of the lake trout caught varied from a minimum of eight inches to a maximum of thirty-six inches. In some lakes the lake trout are mostly small and in other lakes there is a preponderance of large trout, while still other lakes contain trout varying in size from small to large. The size and number of trout in a lake is related to the available food and the amount of fishing. This information which has been made available as a result of the cooperation of the anglers and the biological investigations of these lakes has made possible the carrying out of experiments of value in fish culture.

In these lakes where the food scarcity is the controlling factor arrangements are being carried out to improve the food condition by introducing small food fish. In those lakes where excessive fishing is depleting the stock of lake trout, two kinds of experiments are being undertaken. In lakes adjacent to the highway or in the vicinity of cottages trout of different sizes are being planted and the result of this stocking will be determined. Some lakes which are remote from the highway are being closed to fishing in alternate years and the improvement in fishing resulting from this closure is being measured during the years in which those lakes are open to angling.

It is most desirable to have definite information on the trout population in lakes. The particular relationship of White lake to Big Trout lake in Algonquin Park makes it possible to ascertain the trout population of White lake for at least part of the year. These two lakes are joined by a narrow channel 100 feet wide and about 12 feet deep. White lake with an area of 1040 acres and a maximum depth of 40 feet has lake trout in it during the fall, winter and spring. As it warms up during the summer, the lake trout all move out into Big Trout lake which is much deeper. In the spring and early summer of 1939 all of the lake trout moving out of White lake were captured in a fyke net, measured, and released into Big Trout lake. By July 10 all of the lake trout had moved out. There were 813 between twelve and twenty-eight inches in length, with a total weight of about 2177 pounds. Thus White lake with an area of 1040 acres supports about one lake trout of fishable size per acre or about two pounds of available lake trout per acre.

The young speckled trout in Algonquin Park waters live in the stream during the early part of their lives. Here they feed upon aquatic insects. Studies of these insect populations have given astonishingly large numbers for the production of this trout food. From May 17 to September 11, 1939, one square yard of water in a typical trout stream inhabited by trout was found to produce during the summer 550 mayflies, 700 stoneflies, 466 caddis flies and 4,400 blackflies and midges, as well as some other aquatic insects, all of which constitute excellent trout food.

Bass from some lakes and rivers in the Park have fish parasites. None of the fish parasites are injurious to man but they are unpleasant for the angler to find while cleaning the fish. A study of the distribution of these parasites has been carried out to find where they occur most abundantly. With this information at hand the danger of transferring parasites from one body of water to another can be reduced to a minimum.

A small hatchery has been established near Algonquin Park headquarters, where fish which have been raised in the rearing stations of the Ontario Department of Game and Fisheries may be held for some time and from where they may be conviently distributed to any desired water in the Park."

ACKNOWLEDGMENTS

The assistance and co-operation rendered during the year, particularly by Fish and Game Protective Associations and members thereof, have indeed been very gratifying and are deeply appreciated. Such valuable cooperation encourages us in our efforts on behalf of the protection and development of the wild life natural resources of the Province, in order that those interested may continue to enjoy a participation in the privilege and healthy excerise which pursuit of the same provides.

Members of the Staff, both the inside and outside service, generally speaking, have conducted themselves and performed the duties assigned to them in the best interests of the Department and its varied activities.

All of which is respectfully submitted.

I am, Sir,

Your obedient servant,

D. J. TAYLOR,
Deputy Minister of Game and Fisheries

Toronto 2.

APPENDIX No. 1

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939

LARGE-MOUTHED BLACK BASS

FRY

Bruce:

Berry's Lake	5,000
Little's Lake	5,000
Marl Lake	5,000
Paddy's Lake	5,000
Seep's Lake	5,000

Grey:

Davis Lake	5,000
Saugeen River—S. Branch	5,000
Sheppard's Lake	5,000

Haliburton:

Round Lake	5,000

Lincoln:

Jordan Pond	2,500

Muskoka:

Kahshe Lake	5,000

Norfolk:

Sutton's Pond	5,000

FINGERLINGS

Middlesex:

Sydenham River	126x

Nipissing:

Blackwater Lake	500

Norfolk:

Hunger Lake	100
Little Lake	100
Teeterville Pond	210

Wentworth:

Hamilton Bay	5,000

York:

Shadow Lake	2,025

xThis number includes twenty-six adults.

SMALL-MOUTHED BLACK BASS

FRY

Bruce:

Arran Lake	5,000
Bereford Lake	10,000
Boat Lake	10,000
Britain Lake	5,000
Cameron Lake	2,500
Chesley Lake	5,000
Cyprus Lake	2,500
Gould Lake	10,000
Isaac Lake	15,000
Lake George	5,000
Miller Lake	20,000
Pearl Lake	5,000
Sauble River	15,000
Saugeen River	9,000
Shouldice Lake	10,000

Frontenac:

Clear Lake (Kennebec)	10,000
Collins Lake	5,000
Cross Lake (Kennebec)	5,000
Little Mississagagon	5,000
Loughborough Lake	15,000
McClintock Lake	10,000
Mississagagon Lake	10,000
Pine Lake	5,000
Rideau Lake	10,000
Schooner Lake	10,000
Sharbot Lake	10,000
Trout Lake	10,000
Twin Lakes	5,000

Haldimand:

Grand River	20,000

Haliburton:

Black Lake	5,000
Blue Hawk Lake	10,000
Davis Lake	5,000
Grass Lake	5,000
Gull Lake	10,000
Head Lake	5,000
Hurricane Lake	5,000
Kashawigamog Lake	5,000
Long Lake (Dysart)	5,000
Mink Lake	10,000
Misiwabi Lake	5,000
Mountain Lake (Minden)	5,000
Paradise Lake	5,000
Pine Lake	5,000
Portage Lake	5,000
Unnamed lake (Lutterworth)	5,000
West Lake	10,000
Wylie's Lake	5,000

Halton:

Bronte River	2,500

Hastings:

Crow Lake	5,000
Crow River	5,000
Gunter Lake	10,000
Little Salmon Lake	5,000
Moira Lake	5,000
Moira River	5,000
Oak Lake	5,000
Pine Lake	5,000
Wadsworth Lake	5,000

Leeds:

Crow Lake	5,000
Sand Lake	5,000
Troy Lake	5,000
Whitefish Lake	5,000

Lincoln:

Twelve Mile Creek	2,500

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SMALL-MOUTHED BLACK BASS —Continued

Manitoulin:	
Big Lake	10,000
Lake Manitou	10,000
Middlesex:	
Thames River	10,000
Muskoka:	
Bon View Lake	20,000
Bruce's Lake	10,000
Deer Lake	10,000
Dickie Lake	10,000
Kahshe Lake	10,000
Lake Muskoka	30,000
MacKay's Lake	10,000
Menominee Lake	20,000
Prospect Lake	20,000
Tookes Lake	10,000
Wood Lake	10,000
Norfolk:	
Waterford's Gravel Pit Pond	10,000
Northumberland:	
Trent River	5,000
Ontario:	
Lake St. John	10,000
Oxford:	
Thames River	10,000
Peterborough:	
Belmont Lake	5,000
Stony Lake	5,000
Simcoe:	
Kempenfeldt Bay	10,000
Lake Couchiching	15,000
Little Lake (Vespra)	10,000
Sparrow Lake	15,000
Victoria:	
Balsam Lake	10,000
Burnt River	5,000
Gull River	5,000
Little Mud Turtle Lake	5,000
Mud Turtle Lake	5,000
Pigeon Lake	10,000
Round Lake	5,000
Silver Lake	5,000
Sturgeon Lake	25,000

FINGERLINGS

Algoma:	
Alma Lake	500
Appleby Lake	500
Blind River	1,000
Caribou Lake	500
Cummings Lake	1,000
Darrell Lake	1,000
Desbarats Lake	500
Diamond Lake	500
Duborne Lake	1,000
Gordon Lake	500
Keichel Lake	1,000
Little Bass Lake	1,000
Lost Lake	1,000
McCarroll's Lake	500
Mine Lake	500
Moose Lake	500
Mud Lake	500
O'Neill Lake	1,000
Pipe Lake	1,000
Rock Lake	500
Stuart Lake	1,000
Unnamed lake (U. Tp.)	1,000
Walker Lake	1,500
Bruce:	
Clam Lake	1,000
Carleton:	
Ottawa River	2,000
Rideau River	2,000
Cochrane:	
Baart's Lake	1,000
Frontenac:	
Canonto Lake	1,000
Crotch Lake (Palmerston)	1,000
Crow Lake	1,000
Elbow Lake	1,000
Fourteen Island Lake	1,000
Long Lake (Portland)	1,000
Rock Lake (Portland)	500
St. George's Lake	500
Sunday Lake	1,000
Grenville:	
Rideau River	2,000
Grey:	
Lake Francis	500
Haliburton:	
Canning Lake	1,000
Koshlong Lake	750
Little Mud Turtle Lake	1,000
Mountain Lake (Dysart)	750
Hastings:	
Baptiste Lake	1,000
Bass Lake	1,000
Lake Louis	500
Huron:	
Maitland River	500
Lanark:	
Bennett's Lake	1,000
Black Creek	1,000
Christie Lake	1,000
Dalhousie Lake	1,000
Mississippi Lake	2,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SMALL-MOUTHED BLACK BASS —Continued

Lanark—Continued	
Pike Lake	1,000
Rideau Lake	1,500
Silver Lake	500
Leeds:	
Gananoque Lake	100
St. Lawrence River	100
Lennox-Addington:	
Beaver Lake	1,000
Beaver Lake—south	500
Lime Lake	500
Long Lake	1,000
White Lake	1,000
Manitoulin:	
Kagawong Lake	3,000
Lilly Lake	3,000
Linda Lake	3,000
Loon Lake	2,000
Mindemoya Lake	2,000
South Bay	2,000
Muskoka:	
Burns Lake	1,000
Henshaw Lake	500
Indian River	500
Lake Joseph	500
Lake Rosseau	500
MacKay's Lake	2,000
Musquash River	500
North Lake	1,000
Silver Lake	500
Six Mile Lake	1,000
Sparrow Lake	1,000
Torrance Lake	1,000
Nipissing:	
Bear and Poplar Lakes	500
Cache Lake	500
Champlain Lake	500
Finlayson Lake	500
Herridge Lake	1,000
Lake Nipissing	500
Lake Nosbonsing	500
Lake Timagami	500
Martin River	500
Moore Lake	500
Shanty Bay (Lake Nipissing)	500
Talon Lake	2,000
Tomiko Lake	500
Trout Lake	500
Turtle Lake	500
Wilson Lake	500
Northumberland:	
Rice Lake	1,200
Parry Sound:	
Ahmic Lake	500
Arthur Lake	500
Bain Lake	500
Balsam Lake	500
Bass Lake	1,000
Bear Lake	1,000
Beaver Lake	500
Bittern Lake	500
Blackwater Lake	500
Canoe Lake	500
Caribou Lake	500
Clear Lake (Humphrey)	500
Clear Lake (Patterson)	500
Cole Lake	500
Commanda Lake	500
Crane Lake	500
Deer Lake (Ferrie Tp.)	500
Deer Lake (Lount Tp.)	500
Deer Lake (McKenzie Tp.)	500
Deer Lake (Mills Tp.)	500
Deer Lake (Wilson Tp.)	500
Distress River	500
Doe Lake	1,000
Duck Lake	500
Eagle Lake	500
Horseshoe Lake	500
Island Lake	500
Jack Lake	500
Key River	500
Lake of Many Islands	500
Lennon's Lake	500
Little Long Lake	1,000
Loch Urn Lake	500
Long Lake (Ferguson Tp.)	500
Long Lake (Wilson Tp.)	500
Magnetawan River	1,000
Manson Lake	500
Mary Jane Lake	500
McVeety Lake	500
Neighick Lake	500
Pickerel Lake	500
Pickerel River	500
Pigeon Lake	1,000
Pine Lake	500
Portage Lake	500
Rankin Lake	500
Restoule Lake	500
Rosseau Lake	1,000
Ruth Lake	500
Sea Gull Lake	500
Shawanaga Lake	500
Shebeshekong Lake	500
Shoal Lake	500
Snakeskin Lake	500
Spring Lake	500
Star Lake	500
Stormy Lake	500
Toad Lake	500
Trout Lake (Humphrey)	500
Turtle Lake	500
Whitestone Lake	500
Wilson Lake	500
Wolf Lake	500
Wolf River	500
Woodcock Lake	500
Peel:	
Credit River	500

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SMALL-MOUTHED BLACK BASS —Continued

Prince Edward:	
Consecon Lake	500
Roblins Lake	1,000
West Lake	1,200
Renfrew:	
Black Bay	2,000
Foster Lake	500
Green Lake (Radcliffe)	500
Hyde's Bay	1,500
Lake Dore	1,000
LeClaire Lake	1,000
Madawaska River	1,000
Mink Lake	1,000
Ottawa River	2,000
Petawawa River	2,000
Simcoe:	
Bass Lake	500
Gloucester Pool	500
Little Lake (Tay)	500
Nottawasaga River	500
Severn River	1,500
Sudbury:	
Agnew Lake	3,000
Devils Lake	500
Dry Pine Bay	500
French River	500
Lake Penache	3,000
Ramsay Lake	3,000
Wanapitei Lake	3,000
Whitson Lake	2,000
Timiskaming:	
Babs Lake	1,500
Butler Lake	500
Davis Lake	500
Emerald Lake	500
Granite Lake	500
Sesekinika Lake	1,000
Victoria:	
Lake Dalrymple	500
Waterloo:	
Conestoga River	1,000
Grand River	600
Paradise Lake	600
York:	
Lake Simcoe	1,000
Musselman's Lake	500

YEARLINGS AND ADULTS

Algoma:	
Friendly Lake	120
Gravel Lake	150
Knob Lake	150
Picnic Lake	145
Brant:	
Gravel Pit Pond at Scotland	100
Frontenac:	
Bob's Lake	100
Clear Lake (Hinchinbrooke)	100
Clear Lake (Kennebec)	40
Crotch Lake (Kennebec)	40
Dog Lake	100
Gull Lake	60
Kashwakamak Lake	25
Mink Lake	25
Mississippi River	25
Otter Lake	50
Rideau Lake	100
Sydenham Lake	50
Haliburton:	
Elephant Lake	100
Gull Lake	100
Koshlong Lake	100
Hastings:	
Big Salmon Lake	50
Burnt Lake	25
Dickey Lake	38
Gull Lake	50
Jordon Lake	50
Kaminiskeg Lake	100
Lake of Islands	30
Parker Creek	100
West Lake	100
York River	100
Huron:	
Maitland River	20
Kenora:	
Lake Agimac	140
Lake McNamara	135
Kent:	
Lake St. Clair (Mitchell's Bay)	100
Rondeau Bay	70
Leeds:	
Big Rideau Lake	100
Charleston Lake	200
Crosby Lake	100
Grippen Lake	100
Little Rideau Lake	100
Newborough Lake	100
Sand Lake	100
St. Lawrence River	100
Traynor Lake	100
Lennox-Addington:	
Cedar Lake	100
Otter Lake	50
Weslemkoon Lake	50
Peterborough:	
Black Lake	100
Buckhorn Lake	100

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SMALL-MOUTHED BLACK BASS —Continued

PETERBOROUGH—Continued	
Chemong Lake	100
Clear Lake	100
Crab Lake	100
Deer Bay	100
Indian River	100
Jack's Lake	100
Katchawanooka Lake	100
Little Cedar Lake	100
Long Lake	100
Loon Lake	200
Lovesick Lake	100
Sandy Lake	100
Stony Lake	100
Trout Lake	100
White Lake	100
Renfrew:	
Calabogie Lake	100
Corry Lake	100
Green Lake (Horton)	175
Moccasin Lake	100
White Lake	100
Stormont:	
St. Lawrence River	200
Thunder Bay:	
Gull Lake	150
Hazlewood Lake	190
Island Lake	150
Loon Lake	150
One Island Lake	165
Shebandowan Lake	220
Williams Lake	50
Victoria:	
Sturgeon Lake	100

MASKINONGE
FRY

Frontenac:	
Sydenham Lake	15,000
Hastings:	
Crow Lake	25,000
Crow River	25,000
Moira Lake	25,000
Moira River	25,000
Sears Lake	10,000
Trent River	25,000
Leeds:	
St. Lawrence River	10,000
Muskoka:	
Kahshe Lake	15,000
Nipissing:	
Lake Nipissing	10,000
Shanty Bay—south arm Lake Nipissing	5,000
Northumberland:	
Crow Bay	20,000
Mud Lake	50,000
Rice Lake	100,000
Trent River	115,000
Unnamed Stream at Codrington	10,000
Parry Sound:	
Naskoten Lake	5,000
Nipissing Lake	5,000
Restoule Lake	5,000
Peterborough:	
Belmont Lake	50,000
Buckhorn Lake	50,000
Chemong Lake	50,000
Clear Lake	290,000
Deer Bay	50,000
Indian River	40,000
Katchawanooka Lake	40,000
Little Lake	15,000
Little Mud Lake	25,000
Lovesick Lake	50,000
Otonabee River	50,000
Pigeon Lake	50,000
Round Lake	25,000
Stony Lake	75,000
Trent River	10,000
White Lake	25,000
Prince Edward:	
Bay of Quinte	30,000
Muscote Bay	55,000
West Lake	10,000
Renfrew:	
Corry Lake	5,000
Cushene Lake	5,000
Lafleur Lake	5,000
Maskalonge Lake	5,000
Simcoe:	
Gloucester Pool	25,000
Lake Couchiching	25,000
Stormont:	
St. Lawrence River	10,000
Thunder Bay:	
Lac des Mille Lacs	5,000
Victoria:	
Balsam Lake	50,000
Burnt River	25,000
Dalrymple Lake	15,000
Little Mud Turtle	10,000
Mud Turtle Lake	10,000
Pigeon Lake	150,000
Pigeon River	100,000
Sturgeon Lake	50,000
Young's Lake	15,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

MASKINONGE—Continued

Welland:	
Niagara River	5,000

PERCH
FRY

Norfolk:	
Waterford Gravel Pit Pond	150,000
Great Lakes:	
Lake Erie	59,000,000

PICKEREL FRY

Algoma:	
Appleby Lake	50,000
Bright Lake	700,000
Clear Lake	250,000
Cummings Lake	250,000
Desbarats Lake	150,000
Echo Lake	12,880,000
Gordon Lake	2,000,000
Little Bass Lake	250,000
Little Basswood Lake	500,000
Little Clear Lake (Gladstone)	300,000
Little Clear Lake (Kirkwood)	500,000
Mississagi Lake	1,000,000
Portlock Bay	50,000
Rock Lake	500,000
Brant:	
Grand River	250,000
Bruce:	
Boat Lake	250,000
Chesley Lake	387,500
Gould Lake	100,000
Isaac Lake	125,000
Sauble River	250,000
Saugeen River	325,000
Teeswater River	100,000
Carleton:	
Constance Bay	200,000
Ottawa River	400,000
Rideau River	450,000
Cochrane:	
Big Water Lake	100,000
Bobs Lake	200,000
Boulder Lake	100,000
Boundary Lake	100,000
Charlebois Lake	200,000
Mooseen Lake	100,000
Mortimer Lake	200,000
Reid Lake	200,000
Remi Lake	400,000
Sand Lake	100,000
Small Lake	100,000
Unnamed lake—O'Brien Tp.	150,000
Wilson Lake	200,000
Durham:	
Lake Scugog	500,000
Frontenac:	
Big Gull Lake	500,000
Bobs Lake	500,000
Clear Lake	500,000
Crow Lake	250,000
Elbow Lake	100,000
Fifth Lake	250,000
Fourteen Island Lake	300,000
Green Lake	250,000
Jack's Lake	100,000
Kashwakamak Lake	1,250,000
Long Lake (Olden)	100,000
Long Lake (Portland)	300,000
Malcolm Lake	250,000
Marble Lake	250,000
Mink Lake	250,000
Mississagagon Lake	500,000
Mississippi River	1,250,000
Morgan Lake	150,000
Navy Bay	250,000
Norway Lake	250,000
Rock Lake (Portland)	300,000
Salmon River	150,000
Sydenham Lake	350,000
West Rideau Lake	500,000
Grenville:	
Nation River	1,000,000
Rideau River	1,250,000
Haldimand:	
Grand River	250,000
Haliburton:	
Clear Lake	250,000
Sam's Lake	250,000
Hastings:	
Baptiste Lake	650,000
Fraser Lake	200,000
Jack Lake	100,000
Lake Louis	200,000
Lime Lake	100,000
Mallard's Lake	200,000
Moira Lake	1,250,000
Moira River	1,250,000
Moxam's Lake	100,000
Trent River	1,250,000
York River	100,000
Kenora:	
Big Vermilion Lake	1,000,000
Black Sturgeon Lake	1,250,000
Blindfold Lake	1,250,000
Bowden Lake	1,000,000
Cache Lake	500,000
Lake of the Woods	22,150,000
Lake of Two Mountains	1,000,000
Long Bow Lake	1,250,000
Mack Lake	1,250,000
Marchington Lake	1,000,000
Separation Lake	1,000,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

PICKEREL FRY—Continued

KENORA—Continued

Spruce Lake	1,000,000
Wabigoon Lake	1,000,000
Winnipeg River	1,000,000

Lanark:

Bennet's Lake	650,000
Black Lake	300,000
Christie Lake	650,000
Dalhousie Lake	800,000
Fournier Mud Lake	100,000
Long Lake	150,000
Lower Rideau	500,000
Mississippi Lake	200,000
Otty Lake	600,000
Patterson's Lake	100,000
Pike Lake	300,000
Rivens Lake	100,000
Widow's Lake	150,000

Leeds:

Bass Lake	600,000
Crosby Lake	500,000
Devil's Lake	150,000
Green Lake	650,000
Higgley Lake	250,000
Little Rideau Lake	1,250,000
Sand Lake	500,000
St. Lawrence River	2,000,000
Traynor Lake	250,000

Lennox-Addington:

Beaver Lake	500,000
Cedar Lake	400,000
Clare River	750,000
Douglas Lake	150,000
Long Lake	400,000
Mazinaw Lake	800,000
Napanee River	2,500,000
South Beaver Lake	450,000
White Lake	400,000

Lincoln:

Twelve Mile Creek	250,000

Manitoulin:

Falls, and Burnett Lake	150,000

Muskoka:

Allen's Lake	150,000
Axel's Lake	150,000
Bigelow's Lake	150,000
Brandy Lake	200,000
Buck Lake	200,000
Duck Lake	150,000
Gull Lake	300,000
Kahshe Lake	300,000
Lake Muskoka	1,900,000
Long Lake	150,000
Mootes Lake	150,000
Severn River	250,000
Six Mile Lake	250,000
Sparrow Lake .... eggs	2,012,500
Spence Lake	150,000
Three Mile Lake	300,000

Nipissing:

Bebees Lake	100,000
Bruce Lake	100,000
Champlain Lake	250,000
Finlayson Lake	200,000
Lake Nipissing	500,000
Lake Nosbonsing	400,000
Lake Timagami	800,000
Little Martin Lake	100,000
Marten Lake	150,000
McPhee Lake	100,000
Talon Lake	600,000
Tilden Lake	350,000
Tomiko Lake	500,000
Upper French River	500,000
Wassi Lake	300,000
Wickstead Lake	100,000

Northumberland:

MacKenzie Channel	1,250,000
Pickerel Bay	1,250,000
Presqu'ile Bay	100,000
Rice Lake	1,250,000
Trent River	6,250,000

Ontario:

Lake St. John	200,000

Oxford:

Lakeside Lake	250,000
Lake Lisgar	200,000

Parry Sound:

Ahmic Lake	300,000
Bass Lake	100,000
Caribou Lake	200,000
Cecebe Lake	250,000
Clear Lake	100,000
Commanda Lake	200,000
Crane Lake	200,000
Deer Lake (Ferrie)	200,000
Deer Lake (MacKenzie)	250,000
Doe Lake	200,000
Duck Lake	100,000
Footes Lake	100,000
Isabella Lake	400,000
Jack Lake (Armour)	100,000
Jack's Lake (Mills)	100,000
Key River	400,000
Lake of Many Islands	200,000
Lake Rosseau	850,000
Lennon's Lake	100,000
Little Long Lake	100,000
Long Lake	100,000
Loon Bay	400,000
Magnetawan River	1,100,000
Manitowaba Lake	200,000
McKeown Lake	100,000
Milton Lake	100,000
Minerva Lake	150,000
Neighick Lake	200,000
Oastler Lake	500,000
Otter Lake	700,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

PICKEREL FRY—Continued

Parry Sound—Continued

Owl Lake	200,000
Pickerel Lake	200,000
Pickerel River	200,000
Pigeon Lake	100,000
Restoule Lake	200,000
Ruth Lake	200,000
Shawanaga Lake	350,000
Shebeshekong Lake	200,000
Shoal Lake	100,000
Squaw Lake	200,000
Stewart's Lake	150,000
Stormy Lake	100,000
Whitestone Lake	200,000
Wilson Lake	100,000
Wolf River	200,000

Peterborough:

Belmont Lake	1,250,000
Little Cedar Lake	250,000
Little Lake	200,000
Long Lake	1,000,000
Loon Lake	200,000
Otonabee River	800,000
Rice Lake	1,000,000
Trent River	1,000,000

Prince Edward:

Bay of Quinte	33,360,000
Consecon Lake	1,250,000
East Lake	540,000
West Lake	750,000

Rainy River:

Clearwater Lake	5,000,000
Lake of the Woods	1,000,000
One-Sided Lake	2,500,000
Rainy Lake	31,000,000
Sabaskong Bay	4,000,000
Steeprock Lake	1,000,000

Renfrew:

Aird's Lake	250,000
Black Bay	350,000
Blackfish Bay	100,000
Constant Lake	250,000
Cushene Lake	100,000
Golden Lake	250,000
Greenan Lake	200,000
Hurd's Lake	200,000
Joe's Lake	100,000
Madawaska River	1,350,000
Maskalonge Bay	200,000
Meilleur's Bay	100,000
Muskrat Lake	200,000
Ottawa River	250,000
Petawawa River	350,000
Pike Lake	50,000
Round Lake	100,000
Snake Lake	100,000
White Lake (McNab)	550,000
White Lake (Raglan)	250,000
York River	500,000

Russell:

Castor River	1,250,000

Simcoe:

Gloucester Pool	1,000,000
Little Lake	150,000
Nottawasaga River	100,000
Severn River	375,000
Sturgeon Bay	400,000

Stormont:

St. Lawrence River	1,250,000

Sudbury:

Agnew Lake	750,000
Birch Lake	250,000
Dry Pine Bay (French River)	1,000,000
LaCloche Lake	750,000
Lake Penache	1,000,000
Long Lake	750,000
Onaping Lake	500,000
Raft Lake	250,000
Ramsay Lake	1,000,000
Unnamed Lake	250,000
Wanapitei Lake	1,000,000
Washagami Lake	1,000,000

Thunder Bay:

One-sided Lake	250,000
Whitefish Lake	500,000

Timiskaming:

Bass Lake	250,000
Gillies Lake	200,000
Gowganda Lake	400,000
Granite Lake	200,000
Hound Chutes	200,000
Kenogami Lake	300,000
Lady Evelyn Lake	200,000
Lake Timiskaming	400,000
Long Lake	400,000
Net Lake	200,000
Ottese Lake	200,000
Portage Lake	200,000
Rib Lake	400,000
Sesekinika Lake	200,000
Sharpe Lake	200,000
Wendigo Lake	400,000

Victoria:

Dalrymple Lake	225,000
Little Turtle Lake	450,000
Long Lake	250,000
Young's Lake	200,000

York:

Lake Simcoe	500,000

Great Lakes:

North Channel	17,550,000
Georgian Bay	1,000,000
Lake Huron	13,500,000
Lake Ontario	1,350,000

BLUE PICKEREL FRY

Lake Erie	500,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

BROWN TROUT

YEARLINGS AND ADULTS

Brant:	
Gravel Pit Pond	100
Whiteman's Creek	1,000
Bruce:	
Crane River	1,200
Lockerby Creek	500
Park Head Creek	400
Plum Creek	700
Saugeen River	1,800
Snake Creek	1,500
Spring Creek	900
Sucker Creek	750
Vogt's Creek	750
Elgin:	
Big Creek	1,500
Little Otter	1,400
Grey:	
Big Head River	1,200
Keough Creek	300
Maxwell's Creek	600
Potawatami River	900
Saugeen River	6,750
Stony Creek	300
Styx River	2,250
Sydenham River	1,515
Weatherspoon Creek	300
Haldimand:	
Rogers Creek	700
Halton:	
Sixteen Mile Creek	500
Hastings:	
Beaver Creek	2,000
Squire's Creek	1,000
Huron:	
Nine Mile River	1,200
Wroxeter Dam-Maitland River	200
Middlesex:	
Medway Creek	1,000
Pond Mills	1,000
Norfolk:	
Young's Creek	300
Northumberland:	
Bowen's Pond	100
Coles Pond	85
Dudley's Pond	100
Ontario:	
Chubtown Creek	400
Perth:	
Upper Avon River	1,200
Peterborough:	
Baxter Creek	1,000
Cavan Stream	1,000
Deer Bay Creek	1,000
Eel's Creek	1,000
Jack's Creek	1,000
Mississauga Creek	1,000
Simcoe:	
Nottawasaga River	3,400
Waterloo:	
Bridgeport Dam	100
Dentinger Creek	750
Wellington:	
Speed River	1,200
Wilson Creek	250
Wentworth:	
Bronte River	1,800
York:	
Humber River	7,100
Sales—Demonstration and propagation purpose	2,592

LAKE TROUT

FRY

Frontenac:	
Brule Lake	20,000
Buckshot Lake	30,000
Camp Lake	10,000
Crow Lake	20,000
Green Lake	10,000
Grindstone Lake	10,000
Kaswakamak Lake	25,000
Loughborough Lake	35,000
Mackie Lake	10,000
Mississagagon Lake	30,000
Mosquito Lake	10,000
Sand Lake	25,000
Schooner Lake	15,000
Trout Lake	25,000
Wolfe Lake	30,000
Hastings:	
Bass Lake	10,000
Big Salmon Lake	15,000
Burnt Lake	5,000
Cedar Lake	5,000
Clear Lake	10,000
Devil Lake	5,000
Dickey Lake	20,000
Eagle Lake	20,000
Gunter Lake	10,000
Jamieson Lake	12,500
La Valley Lake	10,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

LAKE TROUT—Continued

Hastings—Continued

Lake of Islands	10,000
Lake St. Peter	22,500
Little Salmon Lake	5,000
Long Lake (Dungannon)	7,500
O'Grady Lake	7,500
Papineau Lake	17,500
Wadsworth Lake	10,000

Lanark:

Rideau Lake	40,000
Silver Lake	15,000

Leeds:

Big Rideau	55,000
Charleston Lake	45,000
Devil Lake	25,000
Lower Beverley Lake	7,500
Red Horse Lake	10,000

Lennox-Addington:

Bark Lake	5,000
Elbow Lake	5,000
Finch Lake	5,000
Little Weslemkoon Lake	20,000
Otter Lake	15,000
Thirty Island Lake	5,000
Weslemkoon Lake	30,000
White Lake	10,000

Peterborough:

Catchacoma Lake	10,000
Gull Lake	10,000
Jack's Lake	10,000
Little Cedar Lake	10,000
Long Lake	10,000
Loon Lake (Chandos)	20,000
Trout Lake (Burleigh)	10,000

Renfrew:

Trout Lake	10,000

Great Lakes:

Lake Superior	325,000
North Channel	155,000
Lake Huron	6,195,000
Lake Ontario	100,000

FINGERLINGS

Algoma:

Achigan Lake	5,000
Axe Lake	5,000
Basswood Lake	10,000
Belle Lake	5,000
Bull Lake	5,000
Caribou Lake	5,000
Chiblow Lake	10,000
Chub Lake	5,000
Clear Lake (Gould)	10,000
Clear Lake (Scarfe)	5,000
Cooper Lake	10,000
Cummings Lake	10,000
Dalton Lake	25,000
Diamond Lake	4,000
Garden Lake	5,000
Grainery Lake	8,000
Grey Trout Lake	10,000
Hawk Lake	5,000
Hobon Lake	8,000
Howard Lake	5,000
Island Lake (McMahon)	10,000
Jobammeghia Lake	5,000
Lake of the Mountains	15,000
Lonely Lake	10,000
Long Lake	10,000
Long Lake (Patton)	5,000
Martinendale Lake	10,000
McCarroll's Lake	4,000
Megginson Lake	10,000
Patton Lake	10,000
Pickerel Lake	5,000
Rainbow Lake	10,000
Rand Lake	5,000
Ranger Lake	15,000
Raw Hide Lake	5,000
Red Deer Lake	5,000
Rose Lake	5,000
Sand Lake	18,000
Tookenay Lake	25,000
Trout Lake	5,000
Wakomata Lake	10,000
Wawa Lake	5,000

Cochrane:

Remi Lake	10,000

Haliburton:

Bear Lake (Guilford)	5,000
Big Boskung Lake	10,000
Crooked Lake	20,000
Davis Lake	10,000
Drag Lake	35,000
Eagle Lake	5,000
East Lake	5,000
Gull Lake	20,000
Hurricane Lake	5,000
Kashagawigamog Lake	15,000
Kingscote Lake	2,500
Kushog Lake	10,000
Little Boskung Lake	10,000
Little Hawke Lake	10,000
Mountain Lake	5,000
Oblong Lake	5,000
Redstone Lake	10,000
St. Nora's Lake	10,000
South Bay	5,000
Spruce Lake	5,000
Twelve Mile Lake	20,000

Hastings:

Baptiste Lake	10,000
Kaminiskeg Lake	10,000
Limestone Lake	2,500
Long Lake	2,500

Kenora:

Big Vermilion Lake	40,000
Blue Lake	20,000
Cache Lake	20,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

LAKE TROUT—Continued

Kenora—Continued

Crow Lake	25,000
Cut Stone Lake	20,000
Dogtooth Lake	50,000
Gibbi Lake	20,000
Lake of the Mountain	20,000
Lake of the Woods	360,900
Little Vermilion Lake	40,000
Rice Lake	10,000
Rosamond Lake	20,000
Round Lake	10,000
Sturgeon Lake	20,000
Thunder Lake	20,000
Trout Lake	25,000
Willard Lake	50,000

Manitoulin:

Lake Manitou	20,000

Muskoka:

Bella Lake	10,000
Clear Lake (McLean)	5,000
Clear Lake (Ridout)	5,000
Fairy Lake	25,000
Fox Lake	10,000
Haley's Lake	10,000
Heeney Lake	10,000
Indian River	5,000
Lake of Bays	45,000
Lake Joseph	12,500
Long Lake	5,000
Loon Lake	5,000
Mary Lake	30,000
Muskoka Lake	55,000
Paint Lake	5,000
Peninsula Lake	30,000
Rat Lake	5,000
Rebecca Lake	10,000
Skeleton Lake	20,000
Spring Lake	5,000
Trout Lake	5,000
Vernon Lake	20,000
Walker Lake	10,000

Nipissing:

Cache Lake	3,000
Canoe Lake	3,000
Herridge Lake	10,000
Joe Lake	3,000
Lake of Two Rivers	3,000
Lake Timagami	20,000
Lowell Lake	5,000
McMaster Lake	13,000
Moore's Lake	6,000
Opcongo Lake	2,000
Smoke Lake	3,000
Source Lake	3,000
South Lake (South Tea)	3,000
Talon Lake	20,000
Trout Lake	16,000

Parry Sound:

Bella Lake	10,000
Big Joseph Lake	12,500
Big Loon Lake	5,000
Black Lake	7,500
Davison Lake	10,000
Eagle Lake	15,000
High Lake	7,500
Horn Lake	20,000
Horner's Lake	5,000
Horseshoe Lake	15,000
Lake Memesagamesi	10,000
Lake Rosseau	20,000
Little Lake Joseph	10,000
Little Whitefish Lake	5,000
Loon Bay	5,000
Lorimer Lake	15,000
Otter Lake	10,000
Ruth Lake	5,000
Salmon Lake	10,000
Spring Lake	10,000
Sucker Lake	15,000
Tea Lake	10,000
Three Legged Lake	10,000
Whitefish Lake	10,000

Peterborough:

Loon Lake (Chandos)	10,000
Sandy Lake	5,000

Rainy River:

Ash Bay	13,800
Bad Vermilion	40,000
Burnt Lake	75,000
Crow Lake	90,000
Eva Lake	20,000
Kishkutena Lake	15,000
Narrow Lake	25,000
Pipestone Lake	75,000
Sphene Lake	30,000
Spring Lake	20,000
Steeprock Lake	40,000

Renfrew:

Bark Lake	6,000
Barry's Bay	2,000
Brewster Lake	10,000
Carson Lake	2,000
Centre Lake	9,000
Cross Lake	8,000
Diamond Lake	10,000
Lake Clear	4,000
Long Lake	10,000
Round Lake	5,000
Schaven Lake	5,000
Tea Lake	2,000
Trout Lake	2,000
Tusaw Lake	2,000
Wadsworth Lake	3,000

Simcoe:

Kempenfeldt Bay	30,000

Sudbury:

Birch Lake	8,000
Bull Lake	5,000
Ella Lake	10,000
Geneva Lake	10,000
Lake Agnew	10,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

LAKE TROUT—Continued

Sudbury—Continued	
Lake Penache	10,000
Long Lake (Broder)	15,000
Long Lake (Harrow)	10,000
Nelson Lake	10,000
Ramsay Lake	10,000
Second Trout Lake	5,000
Wanapitei Lake	15,000
Windermere Lake	5,000
Windy Lake	10,000
Thunder Bay:	
Baril Lake	30,000
Brown Lake	20,000
Lake Nipigon	50,000
Surprise Lake	20,000
Timiskaming:	
Anima Nipissing	5,000
Larder Lake	10,000
Montreal River	10,000
Nellie Lake	5,000
Net Lake	5,000
Perry Lake	5,000
Pine Lake	5,000
Rib Lake	15,000
Trout Lake	5,000
Twin Lakes	5,000
Watabeag Lake	10,000
York:	
Lake Simcoe	30,000
Great Lakes:	
Lake Superior	3,285,000
North Channel	150,000
Georgian Bay	2,850,000
Lake Huron	1,220,000
Lake Ontario	25,000

EYED EGGS

Exchange	2,437,000

RAINBOW TROUT

FINGERLINGS

Algoma:	
Batchawana River	3,000
Chippewa River	3,350
Clear Lake	5,000
Garden River	3,000
Huston Lake	5,000
Jobammeghia Lake	500
Keegos Lake	5,000
Mississagi River	10,000
Montreal River	18,000
North Lake	5,000
Serpent River	2,000
Snowshoe Creek	5,000
West Lake	5,000
White River	10,000
Bruce:	
Sauble River	10,000
Dufferin:	
Nottawasaga River	17,600
Pine River	10,000
Grey:	
Saugeen River	20,000
Haliburton:	
Burnt Lake	20,000
McFadden's Lake	10,000
North Lake	5,000
Muskoka:	
Indian River	10,000
Long Lake	10,000
Norfolk:	
Black Creek	5,000
North Creek	5,000
Patterson's Creek	5,000
Young's Creek	1,000
Renfrew:	
Coldwater River	10,000
Kempenfeldt Bay	10,000
Lake Simcoe & Brough's Creek	30,000
Sturgeon River	20,000
Sudbury:	
Nelson River	5,000
Onaping River	5,000
Unnamed Lake—Ermatinger Tp.	5,000
Windermere Lake	5,000
Wellington:	
Saugeen River	10,000
York:	
Humber River	10,000
Sales—Demonstration and propagation purposes	3,150

YEARLINGS and ADULTS

Elgin:	
St. Thomas Reservoir	1,000
Grey:	
Saugeen River	800
Simcoe:	
Sturgeon River	2,600
Sales—Demonstration and propagation purposes	2,327

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

KAMLOOPS TROUT

FINGERLINGS and ADULTS

Muskoka:	
Waseosa Lake	7,800
Nipissing:	
Lake Timagami	4,000
Parry Sound:	
Bernard Lake	7,000
Poole Lake	7,000
Miscellaneous:	
Demonstration and propagation purposes	21

ATLANTIC SALMON

YEARLINGS

Bruce:	
Gillies Lake	4,800

SPECKLED TROUT

FINGERLINGS

Algoma:	
Batchawana River	6,000
Big Stony Lake	5,000
Blue Lake (1D.-1C.)	5,000
Boundary Lake	6,000
Burns Lake (176)	6,000
Carp River	6,000
Chippewa River—north	6,000
Christman Lake	6,000
Fern Lake	3,000
Horseshoe Lake	1,000
Iron River	6,000
Island Lake (Aweres)	12,000
Island Lake (McMahon)	6,000
Little White River	6,000
Loon Lake (Deroche)	6,000
McDonald Creek	1,000
Pancake River	6,000
Robertson Lake	6,000
Root River	6,000
Stony Portage	5,000
Trout Lake (Aweres)	6,000
Unnamed Lake (Lascelles)	1,500
Vixon Lake	3,000
Wartz Lake	6,000
Weashkog Lake	6,000
White Bear Lake	1,000
Durham:	
Ganaraska River	3,000
Elgin:	
Almond Creek	1,000
Haliburton:	
Bear Lake	4,000
Fletcher Lake	4,000
McFadden Lake	4,000
Round Lake	4,000
Muskoka:	
Axel's Creek	4,000
Bella Lake	4,000
Bradford Creek	4,000
Clear Lake	2,000
Fax Lake	4,000
Long Lake	4,000
Martin Lake	4,000
Mary Lake	4,000
Muskoka River	4,000
Peninsula Lake	2,000
Rebecca Lake	4,000
Red Chalk Lake	2,000
Rill Lake	4,000
Vernon Lake tributary creeks	2,000
Norfolk:	
Big Creek	3,000
Kent Creek	3,000
Stony Creek	3,000
Parry Sound:	
Clear Lake (Perry)	4,000
Sand Lake	5,000
Renfrew:	
Westmeath Creek	614
Simcoe:	
Black Creek	200
Thunder Bay:	
Allen Lake	1,000
Big MacKenzie River	5,000
Blind Creek	5,000
Brule Creek	2,500
Cedar Creek	2,500
Clegg Lake	1,000
Coldwater River	5,000
Deception Lake	6,000
Elgin Lake	3,000
Gerow Lake	2,500
Half Moon Lake	3,000
Kaministiquia River	10,000
Kenney Lake	2,500
King Lake	2,500
Lake Hilma	1,000
Legault Lake	2,500
Lost Lake	3,000
McIntyre River	6,000
Mileage 5—Cahill	5,000
Mirror Lake	5,000
Moonshine Lake	3,000
Moose Creek	5,000
Neebing River	6,000
Nipigon River	18,000
North Enders Stream	5,000
Pearl River	5,000
Pitch Creek	5,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Thunder Bay—Continued	
Thunder Bay	1,000
Trout Creek	5,000
Trout Lake (Stirling)	10,000
Upper Pass Lake	10,000
York:	
Sales—Demonstration and propagation purposes	6,000

EYED EGGS

York:	
Demonstration purposes	1,000

YEARLINGS

Algoma:	
Achigan Creek	2,000
Achigan Lake	2,400
Agawa River	4,800
Alva Lake	1,600
Anjigami Creek	1,600
Arnill Creek	1,500
Aubinadong Lake	2,000
Austin Lake	1,250
Baker's Lake	1,000
Baltimore Lake	1,000
Bamagesic Lake	1,600
Basswood Lake	3,200
Batchawana River	12,000
Birch Lake	1,000
Blue Lake (near Thessalon)	1,600
Boundary Lake	1,500
Boyles Creek	3,200
Bridgeland River	5,000
Burns Lake	2,500
Burnt Island Lake	1,000
Burrough's Lake	3,200
Caldwell Lake	800
Camp 8 Bay	2,000
Camp 8 Creek	3,000
Camp Lake	1,000
Canoe Lake	1,000
Cedar Creek	1,000
Chiblow Lake	1,000
Chipman Lake	2,000
Chippewa River North	12,000
Chippewa River South	12,000
Chub Lake	2,000
Clear Lake	4,000
Coffey Creek	2,500
Coldwater Creek	2,000
Copp Lake	1,000
Crooked Lake	4,000
Darriel Creek	1,000
Deer Lake	3,000
Devils Lake	2,000
Echo Lake	1,000
Fern Lake	1,000
Garden Lake	4,000
Goulais River	3,000
Gravel Lake	5,700
Grey Trout Lake	1,000
Guest Lake	1,000
Harmony Creek	2,500
Harmony River	3,600
Hawk Lake	1,600
Hayden Lake	3,000
Hearst Lake	2,500
Hoath Lake	500
Hobon Lake	2,400
Horn Lake	1,000
Horse Lake	1,250
Horseshoe Lake	1,400
Howard Lake	1,000
Hubert Lake	2,400
Island Lake (176)	3,000
Island Lake (McMahon)	5,000
Jackfish River	3,250
Jarvis Lake	2,000
Jimmie Lake	3,200
Jobammeghia Lake	1,600
Jones Creek	5,000
Kashawong River	2,500
Kelly's Lake	750
Khora Lake	2,000
Lafoe Creek	3,200
Lake Maude	1,900
Laughing Lake	2,000
Little Island Lake	8,000
Little Thessalon River	3,200
Little White River	3,000
Lonely Lake	6,800
Long Lake (Aweres)	3,000
Long Lake (Jarvis)	4,000
Long Lake (Meredith)	9,800
Loon Lake (Deroche)	1,400
Loon Lake (Kirkwood)	1,600
Loon Lake (24-R.13)	1,600
Loonskin Lake	2,400
Lower Island Lake	4,000
Marion Lake	1,250
McCormick's Lake	1,600
McCrea Creek	2,500
McIntyre Lake	750
McLeod's Creek	1,250
McVeigh Creek	1,600
Merchant Lake	1,000
Meshagami Lake	2,800
Michipicoten River	6,400
Mile 58 Lake	1,600
Mongoose Lake	2,400
Moose Lake (Wells)	2,500
Moose Lake (25-R.13)	2,400
Mountain Lake (188)	800
Mountain Lake (McMahon)	500
Mountain Lake (1-A.U.)	2,000
Mud Creek (Vankoughnet)	7,600
Mud Lake (1.A.)	1,000
Newcomb's Lake	3,000
Newt Lake	1,000
Nixon Lake	1,000
Obakamiga River	2,000
Paquette Lake	2,000
Pearl Lake	600
Pine Lake (Aweres)	5,500
Pine Lake (24-R-13)	4,800
Pine or Prugh Lake (25 R.)	1,600
Pinkney Lake	1,600
Prospect Lake	3,200
Rand Lake	1,600

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Algoma—Continued

Ranger Lake	20,800
Rapid River	4,100
Reserve Lake	2,000
Richardson Creek	2,500
Robertson Lake	4,000
Root River	1,000
Round Lake (Aweres)	1,000
Round Lake (1.A)	1,500
Round Lake (Grassett)	3,200
Sand Lake	2,000
Sand Lake Creek	2,400
Sand River	2,400
Sausabic Lake	1,000
Saymo Bay	1,000
Saymo Lake	4,000
Seventeen Mile Creek	1,250
Shekak River	2,000
Shumka Lake	1,300
Speckled Trout Lake (176)	750
Speckled Trout Lake (28-R.16)	800
Speckled Trout Lake (1-A.)	1,500
Snowshoe Creek	2,000
Spruce Lake	1,600
Station Lake	1,000
Stokely Creek	9,000
Stony Portage	2,000
Sucker Lake	1,600
Tamarack Lake	800
Tawabinasay Lake	2,400
Tea Lake	1,000
Triple Lake	800
Trout Lake (Aweres)	6,000
Trout Lake Inlet	400
Twin Lakes	6,000
Twin Sister #1	1,500
Two Tree River	2,500
Upper Root River	3,600
Walker Lake	2,500
Wallace Lake	800
Wartz Lake	2,400
Waterman Lake	2,000
Wawa Lake	2,400
Whitewood Creek	1,500
White River	3,000
Woods Creek	2,500
Demonstration purposes	150

Bruce:

Big Bay Swamp Creek	400
Colpoy Creek	400
Crystal Lake	900
Curres Creek	900
Gillies Lake	1,500
Hoffart's Neck	1,200
Kirkland's Creek	900
Klondike Creek	750
Silver Stream (Amabel)	1,800
Silver Stream (Carrick)	1,400
Spring Creek	1,800
Teeswater River	1,800
Willow Creek	1,400
Wilson's, or Forbes Creek	900

Cochrane:

Crooked Creek	800
Dandurant Creek	850
Ferrier Lake	2,200
Hannah Lake	800
Junction Lake	1,000
Legare Creek	1,200
Liniment Lake	1,200
Shaw Creek	1,000
Sheration Lake	1,000
Spring Lake	1,000

Dufferin:

Boyles Creek	500
Butler's Creek	1,800
Caledon Lake	1,800
Cemetery Creek	950
Credit River	1,600
Curtis Creek	1,800
Easson Creek	1,000
Nottawasaga River	3,900
Pine River	3,900
Springbrook Creek	500
Unnamed Stream, Mono. Tp.	1,200

Durham:

Armstrong's Creek	100
Arnot's Creek	2,400
Aude Stream	100
Ball's Stream	100
Beatty's Creek	1,200
Burk's Pond	1,500
Butter's Stream	100
Cain's Creek	2,400
Carscadden Creek	800
Chapman Creek	100
Cowan's Creek	100
Cowper's Creek	800
DeLong's Creek	2,400
Dyer's Stream	1,800
Frew's Creek	300
Ganaraska River	1,000
John Mercer's Pond	600
Leskard Creek	100
Luxton's Creek	1,600
Mountjoy Creek	2,400
Muldrew's Creek	900
Neal's Creek	100
Powell's Creek	300
Quantreuil's Creek	900
Robbin's Creek	100
Robinson's Creek	100
Roy Mercer's Creek	800
Rowe's Pond	100
Sowden's Creek	1,200
Sowper's Creek	1,600
Squirrel Creek	1,000
Stream above White's Pond	900
Thompson's Creek	800
Tyrone Pond	800

Elgin:

Ball Creek	1,500
Bassell Creek	1,000
Beaver Creek	1,000
Buck Creek	1,500

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Elgin—Continued

Campbell Creek	500
Clear Creek	4,300
Deer Creek	4,600
Eckert Creek	500
Goodwillie Creek	1,000
Grange Hall Creek	1,500
Howey Creek	500
Leitch Creek	1,000
Synden Creek	500
Wolfe Creek	500

Frontenac:

Beaver Creek	4,800
Black Creek	1,000
Buckshot Creek	2,400
Camp Lake	2,400
Craig's Creek	2,400
Creek entering Buckshot Lake	2,400
Eagle Creek	1,800
Grindstone Lake	4,800
Mallory Creek	4,800
McCausland Lake	4,800
Quackenbush Lake	2,400
Reid's Creek	2,400
Round Lake	312
Sand Lake	2,400
Shibley Creek	1,000
Trout Lake	4,800

Grey:

Anderson's Lake	1,800
Bass Lake	2,500
Beatty Saugeen	3,600
Beaver River	9,450
Bell's Lake	3,600
Bett's Creek	500
Bighead Creek	1,800
Bighead River	4,400
Black's Beach	4,500
Black Creek	1,600
Blind Creek	950
Boyd's Lake	6,400
Boyne River	1,800
Camp Creek	1,400
Caseman's Creek	1,200
Comber's Creek	450
Corlett's Creek	100
Cotter's Creek	900
Craig's Creek	300
Creek in Bentinck Tp.	300
Deer Creek	3,600
Dodsworth Creek	900
Duncan Lake	1,000
Ellis Creek	1,800
English Lake	3,600
Ewart's Lake	1,800
Ferguson's Creek	900
Firth's Creek	1,800
Gagnon's Creek	500
Glen Creek	1,800
Hall's Lake	900
Harbottle Creek	900
Highland Creek	500
Hollinger Creek	900
Howey's Stream	1,950
Hydro Pond	7,800
Lamont's Stream	900
Lawrence Creek	900
Manx Creek	1,800
McCaslin Creek	600
McConnell's Creek	1,200
McCullough Creek	300
McGowan Dam	1,600
McGregor's Creek	900
McIntosh's Lake	1,950
McMullen's Creek	500
Mitchell's Creek	5,850
Mitchell's Pond	500
Moffatt's Creek	900
Munshaw Lake	500
Niemo Creek	1,500
Nigger Creek	3,300
Oxenden Creek	2,800
Parks Lake	900
Priddles Creek	1,950
Rob Roy Creek	1,600
Rocky Saugeen	2,950
Saugeen River	8,200
Schultz Creek	1,800
Spey River	450
Spring Creek (Town of Durham)	900
Spring Lake	1,800
Stream at Markdale	900
Sulphur Springs	200
Sydenham River	29,900
Tannery Creek	900
Townsend's Lake	2,400
West's Creek	1,200
Wilcox Lake	500
Wiley's Creek	1,800
Williams Lake	14,750
Unnamed Stream—Egremont	1,800
Unnamed Stream—Glenelg	300

Haliburton

Blue Lake	500
Blue Lake River	500
Bones Lake	500
Burnt River	1,400
Deer Lake	800
Dog Lake	500
Drag River	1,000
Eagle Lake River	500
East Lake	2,400
Gull River	1,800
Hawke River	1,000
Hollow Lake	400
Oblong River	1,000
Otter Lake	400
Pine Lake River	400
Portage Lake	900
Raven Lake	400
Red Pine Lake	400
Redstone Lake	1,400
St. Nora's Lake	400
White Trout Lake	400

Halton

Black Creek	900
Ontario Reformatory	500

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Hastings

Alexander Creek	2,400
Baptiste Lake	4,800
Barrager's Lake	2,400
Bartlett Creek	2,400
Brett Lake	2,400
Cannon's Lake	5,700
Canoe Lake	1,000
Cedar Creek	4,800
Cockburn Creek	3,000
Deer River	4,800
Diamond Lake	4,800
Eagle Lake	2,400
East Lake	900
Egan Creek	4,800
Faulkner Creek	1,000
Fraser Lake	1,000
Geen's Creek	2,400
Green Lake	4,800
Horseshoe Lake	500
Jardison Lake	2,400
Lake St. Peter	9,600
Little Lighthouse Lake	500
Little Mississippi River	4,800
Long Lake (Herschel)	600
Long Lake (Mayo)	400
McCormick Lake	3,800
McGare Creek	4,800
Mirror Lake	400
Mud Lake	900
Mud Turtle Lake	1,800
Noisy Creek	1,000
Papineau Creek	4,800
Rawdon Creek	4,800
Shaw Lake	1,000
Shire Creek	6,000
Squire's Creek	4,800
Sylvia Lake	4,800
Williams Lake	2,400

Huron

Porter's Creek	1,800
Sharp's Creek	3,600
Spring Creek	1,800
St. Helen's Creek	1,800

Kenora

Cedar Lake	750
Closs Lake	750
English River	1,500
Little Vermilion	5,500

Lambton

Bear Creek	500

Lanark

Clyde's River	4,800
Murray's Lake	4,800
Musquito Lake	2,400
Paul's Creek	3,800

Lennox-Addington

Brown's Lake	4,800
Burns Lake	2,400
Conner's Lake	2,400
Copeland Lake	2,400
Dafoe Lake	1,000
Enterprise Creek	1,000
Fox Lake	2,400
King Lake	2,400
Long Lake	1,000
MacKenzie Lake	1,000
Mallory Creek	550
Rock Lake (Abinger)	590
Rock Lake (Ashby)	1,500
Shiner Lake	1,000
Smith Lake	2,000
Thirty Island Creek	2,800
Tonawanda Creek	1,000
White Lake	4,800

Manitoulin

Barr's Creek	2,000
Bluejay River	15,000
Bonnie Doone Creek	1,000
Hare's Creek	1,000
Manitou River	17,581
Mindemoya River	15,000
Srigley Creek	3,000

Middlesex

Cody Creek	600
Wye Creek	3,000

Muskoka

Ballantyne Creek	500
Bella Lake	1,800
Big East River	36,000
Deep Lake	4,000
Echo Lake	500
Fairy Lake	4,000
Fraser's Lake	1,200
Gipsy Creek	500
Goose Lake	900
Grindstone Lake	500
Helve Lake	900
Jessops Creek	2,000
Little East River	12,000
Loon Lake	1,800
Loon Lake Creek	900
Muskoka River	7,700
Peninsula Lake	4,000
Round Lake	4,000
Shoe Lake	900
Skeleton Lake	1,200
Vernon Lake	4,000
Wolf Lake	500

Nipissing

Alexander Lake	1,000
Antoine Creek	2,000
Aumond Creek	3,000
Austin Lake	1,400
Balsam Creek	2,000
Bay Lake	1,600
Beaudry Lake	1,400
Blue Sea Creek	5,000
Boulter Tp. Lakes: Boat, Long and Loon	3,200
Bug Lake	1,000
Cauchon Lake	1,000
Cedar Lake	1,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Nipissing—Continued

Cheney Creek	800
Clear Lake (Antoine)	5,000
Clear Lake (Lyell)	1,000
Clear Lake (near Timagami)	1,200
Crooked Lake	1,000
Crystal Lake	2,400
Devils Lake	1,100
Doran's Creek	2,800
Emerald Lake	1,400
Four Mile Creek	3,000
Green Lake	1,000
Guppy Lake	1,000
Half Mile Lake	1,000
Iron Lake	1,000
Jocko River	15,000
Kioshqua Lake	3,000
Lake Timagami	2,600
Little Cedar Lake	1,000
Little Jocko River	5,000
Loon Lake	1,000
North River	13,200
O'Connell Lake	1,400
Sparks Creek	5,000
Spawning Lake	1,000
Tomiko River	3,200
Twenty Minute Lake	4,800
Ukalet Lake	1,600
Unnamed Creek, running from Clear to Wilfrid Lakes, (Kenny Tp.)	3,200
Unnamed Stream—C.5, on Hurdman Creek	1,000
Unnamed Stream 30 m. S.W. of Timagami	700
White Partridge Lake	1,000
Wolf Lake	1,400

Norfolk

Ball Creek	1,000
Boston Creek	2,100
Cattle Creek	1,800
Ellison Creek	1,800
Glen Creek	1,800
Matthews Creek	2,800
McCool Creek	400
McMichael Creek	1,800
Nanticoke Creek	700
Patterson Creek	800

Northumberland

Baltimore Creek	4,000
Bergman's Creek	4,000
Black's Creek	4,000
Burnley Creek	8,000
Chidley's Creek	100
Dartford Creek	2,400
DeLong's Creek	2,000
Dawson Creek	8,000
Duncan's Creek	1,500
Heffernan's Creek	2,800
Hortop-Prentice Creek	4,000
Little Cole Creek	4,000
Mill Creek	200
O'Grady's Lake	4,000
Piper's Creek	100
Quinn's Creek	2,000
Robin's Creek	200
Sandy Flat Creek	2,400
Taylor's Creek	100
Valleau's Creek	1,000
West's Creek	2,000
Williams Pond	600

Ontario

Black Creek—north	400
Black Creek—south	400
Electric Light Pond	1,600
White's Mill Pond	500

Oxford

Sutherland's Pond	1,000

Parry Sound

Barrett's Creek	1,500
Barton's Creek	800
Bay Lake	1,400
Beaver Lake	1,750
Bernard Lake	1,500
Big Clam Lake	1,400
Big Mink Lake	1,000
Black Creek	1,500
Boyne River	750
Bradford's Creek	750
Cheer Lake	750
Clear Lake (Laurier)	2,200
Clear Lake (Perry)	3,400
Clear Lake (Wilson)	750
Cummings Lake	750
Deer Lake	1,400
Deer Lake Creek	1,400
Deer River	750
Eagle Lake	2,250
East Creek	800
Goose Lake	500
Henry Lake	1,200
Hughes Lake	800
Hungry Lake Creek	800
James Creek	1,000
Jordon's Creek	500
Little East River	1,800
Long Lake	1,500
Lynx Lake	1,400
Magnetawan River	11,800
Mink Lake	3,000
Mud Creek	750
Owl Lake	1,500
Poole Lake	750
Ragged Creek	1,000
Rat Lake	2,200
Rock Lake	1,000
Round Lake	2,800
Roussel's Creek	1,000
Sand Lake	2,500
Sequin River	3,000
Sharp's Pond	800
Shells Lake	981
Spring Lake Creek	750
Stirling River	1,500
Three Mile Creek	500
Three Mile Lake	2,000
Welch Lake	1,000
Widgen Lake	750
Wolf Creek	750

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS
April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Peel

Credit River	2,800
Horan's Stream	1,800

Peterborough

Bethany Stream	1,000
Big Ouse River	9,600
Cavan Stream	8,600
Eel's Creek	4,800
Little Ouse River	4,800
Ouse Creek, and Upper Mill Pond	500

Renfrew

Bass Lake	500
Battery Lake	1,000
Biggs Creek	4,900
Big Tucker Creek	3,000
Bissett Creek	3,000
Black Creek	2,500
Blackfish Bay	3,000
Black Lake	1,000
Black Donald Creek	1,500
Buck Lake	500
Buriman Creek	3,000
Cameron Lake	500
Carson Lake	4,000
Centers Lake	3,000
Cochrane Creek	1,500
Colton Lake	500
Cotnam Creek	1,000
Cross Lake	3,000
Crozier Creek	3,000
Dam Lake	1,500
Deep Lake	2,000
Deux Rivieres Creek	3,800
Devils Creek	1,000
Dora Bay Creek	2,000
Eady's Lake	2,500
Echo Lake	1,500
Fountain Lake	2,000
Gardez Pieds Lake	3,400
Gareau Creek	2,000
German Lake	1,500
Godin's Creek	1,000
Grant Creek	3,500
Green Lake	1,500
Green Lake Creek	3,000
Guardapia Creek	1,500
Gun Lake	2,500
Harvey Creek	1,500
Heart Lake	2,000
Heenan's Creek	1,500
Helmers Lake	3,000
Heney Creek	3,300
Hope Lake	2,000
Indian River	12,500
Jack's Lake	2,400
Josie Creek	3,500
Kawchaw's Creek	1,000
Kelly Creek	3,600
Little Tucker Creek	1,000
Locksley Creek	4,400
Long Lake	1,000
Mackey Creek (Head)	5,500
Mackie Creek (Clara)	500
Morphy's Lake	500
Nadeau Creek	2,200
Paddy's Lake	3,000
Petawawa Creek	224
Red Pine Lake	1,000
Rock Lake (Algona)	300
Rocky Lake (Matawatchan)	2,400
Rocky Lake	1,000
Round Lake	2,000
Smith's Creek	4,400
Smith Lake	1,000
Spring Creek (Wilberforce)	1,500
Stewart Creek	3,000
Thompson Lake	2,400
Toohey Lake	1,500
Turner Creek	5,400
Twin Lakes	2,400
Wendigo Lake	3,000
Wylie Creek	11,400

Simcoe

Bear Creek	1,200
Black Creek	2,787
Boyne River	1,200
Catawampus Creek	600
Mathewson's Creek	2,000
Sheldon Creek	1,820
Sturgeon River	1,200
Tenth Creek	450
Willow Creek	4,913

Sudbury

Bertrand's Creek	4,000
Bull Lake	1,000
Corston Lake	2,000
Ella Lake	5,000
Fournier Creek	4,000
Green Lake	2,000
McLanders Creek	1,000
Pumphouse Creek	15,000
Rapid River	4,000
Sandcherry Creek	4,000
Sauble River	1,000
Trout Lake	1,000
Veuve River	3,400
Wavy Creek	4,000

Thunder Bay

Allen Creek	1,500
Allen Lake	2,000
Anderson Creek	1,500
Anderson Lake	2,500
Arnold Creek	1,500
Arrow River	2,000
Bass Creek	4,000
Bear Trap Lake	2,000
Beardmore Lake	2,000
Beaver Creek	2,000
Big Duck Creek	4,000
Big Duck Lake	4,000
Big MacKenzie River	14,000
Binabeck Lake	1,500
Bishop Lake	2,000
Blend River	3,000
Blind Creek	1,000
Boulevard Lake	3,000
Brule Creek	7,000

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Thunder Bay—Continued

Cedar Creek	13,000
Clegg Lake	1,500
Cliff Lake	4,000
Coldwater Creek	3,000
Coldwater River	6,000
Corbett's Creek	3,000
Cousineau Lake	2,000
Current River	14,000
Deception Lake	2,500
Elgin Lake	3,000
Fall Lake	1,000
Fawn Lake	2,000
Gravel Lake	6,000
Hidden Lake	2,000
High Bluff Lake	1,000
High Lake	1,000
Howcum Lake	1,500
Kaministiquia River	6,000
Knobel Lake	2,500
Lake Ada	500
Lake Eva	2,000
Little Lake	1,000
Little Partridge Lake	1,000
Little Paysplatt River	1,000
Little Whitefish River	2,000
Loftquist Lake	12,000
Longworth Lake	2,000
Loon Creek	1,500
Loon Lake	10,000
Lower Hunter Lake	1,500
Lower Pass Lake	3,000
Lower Pearl Lake	2,000
Lynx Lake	2,000
Mac's Lake	1,000
McGregor Lakes	3,000
McIntyre River	6,000
McVicar's Creek	5,500
Mine Lake	2,000
Mirror Lake	3,000
Moose Creek	3,000
Moose Lake	3,000
Morgan Creek	2,000
Mountain Lake	500
Navilus Lake	2,000
Neebing River	12,000
Nichaun Lake	1,000
Nipigon River	18,000
Oliver Lake	6,000
Parsons Lake	2,000
Partridge Lake	1,000
Pass Lake	6,000
Pearl River	6,000
Pickerel Lake	2,900
Pitch Creek	7,000
Rainbow Lake	2,000
Ring Lake	500
Rock Lake	5,000
Sand Lake	2,500
Sawmill Lakes	2,000
Setting Duck Lake	2,500
Silver Falls Creek	2,000
Silver Islet and Creek	3,000
Silver Lake	1,500
Spectacle Lake	2,000
Spring Lake (Conmee)	1,500
Spring Lake (Dorion)	3,000
Spring Lake (Leduc)	2,500
Squaw Creek	4,000
Surprise Lake	2,000
Trout Lake (Gorham)	6,000
Trout Lake (Stirling)	17,000
Twin Lakes	2,000
Twist Lake	2,000
Upper Hunter's Lake	1,500
Upper Morgan's Creek	2,000
Upper Pass Lake	7,000
Upper Pearl Lake	2,000
Walker Lake	2,000
Warnford Creek	2,000
Warnica Lake	1,500
Whitefish River	1,500
Whitewood Creek	6,000
Wideman Lake	2,500
Wild Goose Creek	1,000

Timiskaming

Beaver Lake	700
Belle Lake	1,000
Charlotte Lake	1,000
Crystal Lake	2,400
Dellmur's Lake	2,200
Driftwood Creek	1,200
Emerald Lake	4,200
Fairy Lake	1,000
Gleason Creek	1,000
Graham Creek	1,000
Halfway Lake	1,200
Hooker Creek	1,200
Jean Baptiste Lake	1,000
Lake of Bays	850
Latour Creek	1,000
Little Otter Lake	1,000
Loon Lake	2,800
Lundy Creek	1,000
Moffatt Creek	1,000
Munro Lake	800
Pike Creek	1,000
Rowley Lake	850
Small Spot Creek	800
South Wabi Creek	1,000
Spring Creek	1,000
Spring Lake	4,200
Trout Lake	5,000
Watabeag River	800
Webb Lake	5,000
Whiskey Jack Creek	700
Whitney Lake	1,000

Victoria

Corbin's Creek	200
Davis Lake	500
Union Creek	900

Waterloo

Cedar Creek	1,500
Elora Creek	750
Erbsville Creek	750
Mannheim Creek	400

Welland

Effingham Stream	800
Sulphur Stream	400

SPECIES AND QUANTITIES OF FISH PLANTED IN PROVINCIAL WATERS

April 1st, 1938, to March 31st, 1939—Continued

SPECKLED TROUT—Continued

Wellington	
Bell's Creek	3,000
Credit River	1,200
O'Dwyer's Creek	300
Rothsay Creek	1,000
Saugeen River	7,200
Speed River	1,000
York	
Doan's Pond	600
Sales—Demonstration & propagation purposes	16,530

ADULTS

Algoma	
Island Lake (Aweres)	400
Island Lake (McMahon)	1,097
Grey	
Bass Lake	100
Mary Lake	100
Thunder Bay	
Coldwater River, Spring, Cedar, Tontan, Cold and Moose Creeks	2,300
Wellington	
Keenan's Pond	100
York	
Sales—Demonstration & propagation purposes	355

HERRING FRY

Frontenac	
Palmerston Lake	500,000
Snake Island, St. Lawrence River	1,250,000
Wolf Lake	500,000
Hastings	
Paudash Lake	1,000,000
Lennox-Addington	
Otter Lake	625,000
Weslemkoon Lake	625,000
Prince Edward	
Bay of Quinte	3,700,000
Great Lakes:	
Lake Erie	5,625,000
Lake Ontario	35,900,000

WHITEFISH FRY

Kenora	
Eagle Lake	1,000,000
Lake of the Woods	17,307,500
Separation Lake	1,000,000
Sydney Lake	1,000,000
Prince Edward	
Bay of Quinte	42,500,000
Rainy River	
Rainy Lake	36,700,000
Thunder Bay	
Lake Nipigon	1,500,000
Savant Lake	1,000,000
York	
Lake Simcoe	2,500,000
Great Lakes:	
Lake Superior	9,493,000
Lake Huron	31,650,000
North Channel	14,250,000
Georgian Bay	73,550,000
Lake Ontario	40,250,000
Lake Erie	50,000,000

APPENDIX No. 2

DISTRIBUTION OF FISH ACCORDING TO SPECIES—1934 TO 1938, INCLUSIVE

	1934	1935	1936	1937	1938
Large-mouthed Black Bass					
Fry	35,250	130,000	45,000	135,000	57,500
Fingerlings	4,250	2,153	8,398	4,120	8,061
Yearlings & Adults	197	27*	....	92	....
Small-mouthed Black Bass					
Fry	365,500	696,000	780,000	1,275,000	804,000
Fingerlings	35,750	153,065	69,380	141,900	169,800
Yearlings & Adults	420	3,435	5,202	5,893	7,738
Maskinonge—Fry	909,500	460,000	274,000	420,700	2,005,000
Perch—Fry	95,000,000	53,031,400	46,080,000	9,150,000	59,150,000
Pickerel (Yellow)					
Eyed Eggs	5,000,000	2,000,000	2,000,000	2,000,000	2,012,500
Fry	278,470,000	229,629,000	300,759,500	263,743,400	271,567,500
Pickerel (Blue)					
Fry	....	....	....	1,000,000	500,000
Brown Trout					
Fingerlings	138,000	109,000	147,050	....	....
Yearlings	14,500	9,650	7,290	97,484	{ ....
Adults	689	6*	....	....	59,592
Lake Trout					
Eyed Eggs	402,000	....	3,209,400	3,225,000	2,437,000
Fry	1,265,000	7,773,034	4,165,000	4,667,000	7,665,000
Fingerlings	14,045,450	14,564,000	18,253,244	15,782,350	10,575,200
Landlocked Salmon (Ouananiche)					
Yearlings	....	13,640	....	....	....
Atlantic Salmon—Fry	....	....	....	7,200	....
Yearlings	....	....	....	....	4,800
Rainbow Trout					
Eyed Eggs	1,000	....	....	....	....
Fry	4,480	....	....	....	....
Fingerlings	312,512	134,075	133,000	105,240	321,600
Yearlings	25,014	314	3,507	....	6,727
Kamloops Trout—Fingerlings	....	85,464	....	80,000	25,821
Yearlings	....	10,796	....	....	....
Speckled Trout					
Eyed Eggs	....	....	28,600	....	1,000
Fry	....	1,645,000	182,000	....	....
Fingerlings	6,257,267	5,013,831	1,053,050	384,725	373,314
Yearlings	34,762	35,421	557,270	1,167,073	2,083,538
Adults	1,652	5,420	6,081	16,150	4,452
Whitefish—Fry	376,777,000	296,482,000	428,402,000	383,683,900	323,700,500
Eyed Eggs	....	....	112,500	4,000,000	....
Herring—Fry	17,512,000	43,760,000	56,120,000	5,270,000	49,725,000
Eyed Eggs	....	....	....	30,000	....
Golden Shiners	7,000	500	....	....	....
Miscellaneous	....	....	....	3,053	....
TOTALS	796,619,193	655,747,231**	862,401,472	696,395,280	733,265,643

* Exhibition fish

** This total does not include a distribution of 132,646,600 fry and eyed eggs during the five months immediately preceding the said report.

APPENDIX

GAME AND FISHERIES

Statistics of the Fishing Industry in the Public Waters of

EQUIP

District	No. of Men	Tugs			Gasoline Launches		Sail and Row Boats		Gill Nets	
		No.	Tons	Value	No.	Value	No.	Value	Yards	Value
Northern Inland Waters	693	4	64	$ 11,500	149	$ 67,055	262	$ 9,633	530,053	$ 62,804
Lake Superior	339	8	300	51,500	108	44,530	58	3,485	784,929	91,159
North Channel	236	12	212	74,700	62	38,865	58	4,030	622,921	75,249
Georgian Bay	465	17	447	120,810	140	109,561	130	6,262	1,239,047	123,404
Lake Huron	413	18	437	141,074	130	96,564	40	1,685	1,742,567	195,261
Lake St. Clair	127	....	......	....	45	12,736	65	3,385	....	....
Lake Erie	893	40	1,080	272,900	173	187,935	126	5,987	1,996,313	239,694
Lake Ontario	656	....	......	....	215	106,770	152	5,252	1,334,910	115,858
Southern Inland Waters	348	....	......	....	14	2,910	117	3,973	900	45
Totals	4,170	99	2,540	$672,484	1036	$666,926	1,008	43,692	8,251,640	908,474

APPENDIX

QUANTITIES OF

District	Herring	Whitefish	Trout	Pike	Pickerel (Blue)	Pickerel (Dore)
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Northern Inland Waters	2,384	1,433,479	271,052	710,402	82,594	1,302,169
Lake Superior	1,855,500	311,718	1,667,822	8,174	14,205	75,634
North Channel	1,723	185,682	626,072	85,460	....	53,467
Georgian Bay	47,293	1,196,159	1,426,874	43,077	....	124,625
Lake Huron	186,714	205,230	1,747,281	94	2,027	180,419
Lake St. Clair	....	150	....	21,537	1,100	47,705
Lake Erie	1,374,499	1,001,788	29	20,231	7,157,666	509,495
Lake Ontario	1,230,559	602,337	275,811	104,636	59,522	14,976
Southern Inland Waters	4,245	11,136	25,530	10,176	10	4,440
Totals	4,702,917	4,947,679	6,040,471	1,003,787	7,317,124	2,312,830
Price per pound	.05	.11	.11	.06	.05	.11
Values	$235,145.85	$544,244.69	$664,451.81	$60,277.22	$365,856.20	$254,411.30

No. 3

DEPARTMENT, ONTARIO

Province of Ontario, for the Year Ending December 31st, 1938.

MENT

Seine Nets			Pound Nets		Hoop Nets		Dip and Roll Nets		Night Lines		Spears		Freezers & Ice Houses		Piers and Wharves		Total Value
No.	Yards	Value	No.	Value	No.	Value	No.	Value	No. Hooks	Value	No.	Value	No.	Value	No.	Value	
...	...	...	45	$ 14,710	63	$2,135	...	...	2,400	$490	...	...	143	$32,600	113	$12,173	$213,100
...	...	...	57	27,650	...	...	...	...	...	...	...	...	42	16,725	37	9,825	244,874
...	...	...	94	39,350	...	...	...	...	...	...	...	...	47	14,245	37	14,180	260,619
5	900	$ 770	82	72,545	48	720	...	...	27,004	3,595	4	$ 17	57	14,850	60	30,606	483,140
...	...	...	114	74,350	...	...	...	...	13,536	2,689	...	...	55	23,505	31	7,160	542,288
32	7,100	4,017	102	10,425	3	450	1	$ 1	3,600	241	...	...	15	6,775	10	1,850	39,880
44	12,200	8,605	618	295,550	10	1,500	1	3	2,100	49	...	...	104	131,660	76	25,075	1,168,958
5	410	485	...	...	588	12,800	23	110	2,550	388	...	...	38	9,510	29	6,320	257,493
45	4,162	2,935	...	...	167	4,514	39	178	3,350	98	115	967	38	2,814	6	496	18,930
131	24,772	$16,812	$1,112	$534,580	879	$ 22,119	64	$292	54,540	$7,550	119	$984	539	$252,684	399	$107,685	$3,229,282

No. 4

FISH TAKEN

Sturgeon	Eels	Perch	Tullibee	Catfish	Carp	Mixed Coarse	Caviare	Total	Value
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	
111,681	...	19,996	245,877	8,367	1,560	406,419	2,424	4,598,404	$453,398.77
2,586	...	672	61,927	...	603	58,527	...	4,057,268	326,603.41
6,553	...	6,497	939	36	764	227,100	37	1,194,330	110,281.53
2,110	...	4,512	77,670	7,729	44,585	107,050	87	3,081,771	319,067.52
3,761	...	140,818	373,365	2,940	3,707	161,816	295	3,008,467	280,582.22
9,127	...	29,455	...	63,112	261,041	235,542	117	668,886	37,019.09
16,480	...	2,595,484	...	78,294	373,930	1,373,076	860	14,501,832	797,444.93
5,284	42,286	169,427	...	191,242	144,174	245,769	21	3,086,044	212,472.95
...	10,320	10,985	...	122,338	241,706	276,053	...	716,939	36,770.55
157,582	52,606	2,977,846	759,778	474,058	1,072,070	3,091,352	3,841	34,913,941	...
.40	.07	.05	.06	.08	.05	.03	1.00	...	...
$63,032.80	$3,682.42	$148,892.30	$45,586.68	$37,924.64	$53,603.50	$92,740.56	$3,841.00	...	$2,573,640.97

APPENDIX No. 5

COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES OF ONTARIO

Kind	1937 Pounds	1938 Pounds	Increase Pounds	Decrease Pounds
Herring	4,153,582	4,702,917	549,335	....
Whitefish	5,518,388	4,947,679	....	570,709
Trout	6,098,993	6,040,471	....	58,522
Pike	1,040,940	1,003,787	....	37,153
Pickerel (Blue)	9,449,521	7,317,124	....	2,132,397
Pickerel (Dore)	2,136,177	2,312,830	176,653	....
Sturgeon	93,041	157,582	64,541	....
Eels	74,906	52,606	....	22,300
Perch	2,050,126	2,977,846	927,720	....
Tullibee	947,120	759,778	....	187,342
Catfish	535,692	474,058	....	61,634
Carp	1,086,407	1,072,070	....	14,337
Mixed and Coarse	2,905,451	3,091,352	185,901	....
Caviare	2,528	3,841	1,313	....
TOTALS	36,092,872	34,913,941	....	*1,178,931

* Net Decrease

APPENDIX No. 6

STATEMENT OF YIELD OF THE FISHERIES OF ONTARIO 1938.

Kind	Quantity Pounds	Price per Pound	Estimated Value
Herring	4,702,917	$ .05	$235,145.85
Whitefish	4,947,679	.11	544,244.69
Trout	6,040,471	.11	664,451.81
Pike	1,003,787	.06	60,227.22
Pickerel (Blue)	7,317,124	.05	365,856.20
Pickerel (Dore)	2,312,830	.11	254,411.30
Sturgeon	157,582	.40	63,032.80
Eels	52,606	.07	3,682.42
Perch	2,977,846	.05	148,892.30
Tullibee	759,778	.06	45,586.68
Catfish	474,058	.08	37,924.64
Carp	1,072,070	.05	53,603.50
Mixed and Coarse	3,091,352	.03	92,740.56
Caviare	3,841	1.00	3,841.00
TOTALS	34,913,941		$2,573,640.97

APPENDIX No. 7

ESTIMATED VALUE OF FISH TAKEN FROM THE WATERS OF THE PROVINCE 1919—1938 INCLUSIVE

1919	$2,721,440.24	1929	$3,054,282.02
1920	2,691,093.74	1930	2,539,904.91
1921	2,656,775.82	1931	2,442,703.55
1922	2,807,525.21	1932	2,286,573.50
1923	2,886,398.76	1933	2,186,083.74
1924	3,139,279.03	1934	2,316,965.50
1925	2,858,854.79	1935	2,633,512.90
1926	2,643,686.28	1936	2,614,748.49
1927	3,229,143.57	1937	2,644,163.49
1928	3,033,944.42	1938	2,573,640.97

The Twentieth Report
# of the
Department of Labour
Province of Ontario
1939

PRINTED BY ORDER OF
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ONTARIO

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Excellent Majesty, 1940.

TO THE HONOURABLE
THE LIEUTENANT-GOVERNOR
OF THE PROVINCE OF ONTARIO

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Twentieth Report of the Department of Labour of the Province of Ontario for the fiscal year ending March 31, 1939.

Respectfully submitted,

N. O. HIPEL,

Minister of Labour.

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REPORT OF THE DEPUTY MINISTER OF LABOUR

For the Fiscal Year Ending March 31, 1939

TO THE HON. N. O. HIPEL,
Minister of Labour.

SIR:

I have the honour to submit a report on the work of the Department of Labour of the Province of Ontario for the fiscal year ending March 31, 1939.

INDUSTRIAL CONDITIONS

Employment in Ontario was at a lower level in the fiscal year 1939 than in 1938, but was higher than in 1937, as indicated in the statistical information compiled by the Dominion Bureau of Statistics. The 1939 index number of employment averaged 112.0, as compared with 120.2 for 1938 and 108.0 for 1937, based on the 1926 average as 100. In eleven of the thirteen divisions the index numbers were lower than last year, and this decline was specially marked in the logging and construction divisions in which the drop was 77.9 and 22.3 points respectively. In mining the index number of employment advanced 6 points to 256.5, the highest level since 1926, and the services index advanced 5.1 points.

This adverse condition as regards employment was also indicated in the reports on unemployment among trade union members in Ontario. The percentage of unemployment was reported as 12.9 for 1939, as compared with 8.4 in 1938.

A decline in the volume of employment in the building industry was indicated by a decrease of $644,661 in the value of building permits issued in Ontario during 1939. The total value this year amounted to $24,889,967, as compared with $25,531,628 in 1938.

LEGISLATION

Four of the Acts coming under the jurisdiction of the Minister of Labour were amended at the 1939 session of the Legislature and the Unemployment Insurance Act was passed.

THE APPRENTICESHIP AMENDMENT ACT, 1939;—By this amendment provision is made for the payment of allowances and travelling expenses to members of a provincial advisory committee and for the appointment and payment of examiners assisting in examinations held under the Act.

THE INDUSTRIAL STANDARDS AMENDMENT ACT, 1939;—By this amendment the subsection of the Act which provides a penalty for violation of a schedule by an employer was reworded to make it clear that such penalty applies to all violations of the Act. Section 18 as re-enacted states that "Any schedule made pursuant to the provisions of this Act shall not be applicable to the mining industry nor to the agricultural industry nor to any other business, calling, trade, undertaking or work exempted by the regulations".

THE FACTORY, SHOP AND OFFICE BUILDING ACT;—By a section of the Statute Law Amendment Act, the Factory, Shop and Office Building Act was amended in order to include hairdressing shops, beauty parlours, and shoe repair shops in the definition of "shop" for the purposes of the provisions relating to early closing by-laws. The clause exempting fruit stores from early closing by-laws was repealed.

THE WORKMEN'S COMPENSATION AMENDMENT ACT, 1939;—By this amendment subsection 5 of section 8 of the Act was revised to make clear the intent. It provides the protection against an action for negligence, now given to an employer, to a workman of such employer and that the liability of the employer or his workmen may be charged against his particular group rather than against the class as a whole. It further provides that the medical aid as well as the compensation may be charged against the group. Provision is also made that the Board shall have power to replace any artificial member or appliance, when it deems necessary, instead of within a limit of one year; that persons suffering from silicosis, whether complicated or uncomplicated, are entitled to full disability compensation; and that the time limit for making claims by persons suffering from silicosis is to be extended from three to five years.

The amendment also permits the Board to purchase municipal debentures issued under the Tile Drainage Act from the Treasurer of Ontario, but limits the Board's holdings of debentures issued by any one municipality to $50,000.

THE UNEMPLOYMENT INSURANCE ACT, 1939;—The purpose of this Act is to authorize the Lieutenant-Governor in Council to enter into such agreement with the Governor-General in Council as may be necessary to carry out within Ontario the provisions of any Dominion Act providing for a general scheme of unemployment insurance.

LABOUR DISPUTES

The fiscal year 1939 was marked by a decided decrease in the amount of time-loss due to strikes and lockouts in Ontario, the number of man-working-days lost being less than one-third that of 1938, as shown in the following figures;—

	Fiscal Years		Decrease
	1938	1939	In 1939
No. of strikes	127	54	73
No. of workers involved	22,749	5,795	16,954
No of man-working-days lost	294,906	86,997	207,909

This saving of time-loss, amounting to 207,909 man-working-days, is the equivalent of a full year's work for approximately 700 men.

The rubber industry suffered the greatest loss this year, with a total of 23,120 working days. This total, however, was less than last year when the rubber industry was third on the list with 29,405 days lost. The miscellaneous wood products came second with a total of 17,761 days, mostly among sawmill workers, as compared with 13,129 last year. The metal products industry was third with a total of 12,668 working days lost, or less than one-fifth 1938, when the total was 71,904. The textile and clothing industry stood fourth with a total of 10,434 working days lost. Last year it stood first with almost ten times this loss, or 102,812 days. A decided decrease in time-loss in the logging industry was reported for 1938. In 1939 there were no strikes in this industry.

The settlement of 22 strikes, involving 3,423 workers in a loss of 39,752 days, was effected through compromise; 15, involving 474 workers in a loss of 19,422 days, were settled in favour of employers; 12 strikes, involving 713 workers in a loss of 4,217 days, were settled in favour of the workers; and the remaining 5 were indefinite as to outcome.

CONCILIATION AND NEGOTIATION

The Chief Conciliation Officer and other officials of the Department of Labour assisted in the settlement of strikes which involved approximately 86 per cent of the total number of workers on strike in the Province.

In addition to the assistance rendered in the settlement of strikes, the conciliation service of this Department was utilized in connection with the adjustment of many disputes in which there were threats of strikes. In many instances both parties to the dispute petitioned the Department for this service and the result in practically all cases was the drawing up of memoranda of agreement satisfactory to both sides and covering periods of one or two years or longer. In this manner many strikes were averted and the causes of possible future strikes removed.

The Chief Conciliation Officer also acted as arbitrator in many cases at the request of both employers and employees, and in all instances his decision was accepted by both parties concerned. Such cases affected approximately 7,500 employees in various industries.

DOMINION-PROVINCIAL YOUTH TRAINING PROGRAMME

The Dominion-Provincial Agreement regarding the Youth Training Programme for the fiscal year 1939 was approved July 20, 1938. During the eight-month period from that date to the end of the fiscal year, 1,733 young persons were given training or assisted under the Programme, and 1,424 were placed in permanent employment. The courses of instruction and training were planned with a view to meeting existing needs for skilled workers, and as a result of this policy 82 per cent of those trained or assisted obtained jobs on the completion of their training period without causing any displacement of workers already employed.

In addition to the 337 young persons placed in a great variety of occupations as learners in industry, courses of instruction were given in machine shop work, welding, bricklaying, carpentry, electrical work, wireless telegraphy, automobile mechanics, tobacco curing, gardening, agriculture, mining, textiles, home service and for waitresses and male nurses.

In checking the records of learners placed for training in industry under the first Programme for Youth Training covering the period from September 1937 to the end of March 1938, it was found that approximately 85 per cent of the trainees had permanent jobs with the firms where they were originally placed and were progressing to more highly skilled work. Groups of boys, who had had no previous mechanical training and had never had a steady job, were given training in work on air conditioning equipment, servicing and repairing tractors and in the manufacture of aircraft, and were all earning $18 per week or over, so that in less than a month they had earned as much as their training had cost. A few approximate figures of the cost of training these boys and their total earnings since placement up to the end of November 1938 will serve to indicate the great value of this type of training, as follows;—

1 boy; cost of training	$ 42.24;	earnings—$ 830.00
3 boys; cost of training	$ 86.40;	earnings—$ 1,500.00
34 boys; cost of training	$1,500.00;	earnings—$30,000.00

Among the girls placed as learners on the operating of power machines, knitting machines and the manufacture of rubber footwear, similar satisfactory results were recorded, as follows;—

1 girl; cost of training	$ 48.00;	earnings—$ 430.00
1 girl; cost of training	$ 41.67;	earnings—$ 431.14
6 girls; cost of training	$270.00;	earnings—$5.614.80

ONTARIO GOVERNMENT OFFICES, EMPLOYMENT SERVICE OF CANADA

During the fiscal year, 315,116 applications for employment were made and 126,142 vacancies were registered at the Ontario Government Offices of the Employment Service of Canada. The placements numbered 123,307, and of this total

1,787 were handicapped ex-service men. Approximately 97 per cent of the vacancies were filled, which figure is five points higher than that of last year. Three new Employment Offices were opened at Owen Sound, Welland and Simcoe, all of which are rendering useful service in their communities. As in the preceding year, the Employment Offices took an active part in the selection of trainees under the Youth Training Programme, in the work involved in their transportation to training centres and their placement in jobs on the completion of the training period.

During the years from 1919 to 1939, approximately three million, or 2,993,464, placements have been made by the Ontario Government Offices of the Employment Service of Canada.

FACTORY INSPECTION BRANCH

The fifty-third report of the Factory Inspection Branch indicates an increase in the volume of work accomplished by the Branch during the fiscal year 1939. The number of inspections totalled 32,605, an increase of 5,180 as compared with 1938, and the number of orders issued relating to various requirements of the Factory, Shop and Office Building Act totalled 6,057, an increase of 181. Fewer permits were required to be issued this year and they covered such matters as overtime, double shift, homework and fruit camps, the number being 4,088, or 482 fewer than last year. The number of complaints received, most of which concerned long hours, dropped 75 to 106 this year. There was also a decrease in the number of accidents reported to this Branch, and in the number of these which were fatal, the figures being 2,805 with 36 fatal, as compared with 3,646 and 40 fatal in 1938.

The Examiner of Reports and Designs reported that 379 plans for new factories, shops or office buildings, or alterations to old ones were submitted to this Branch for approval, an increase of 87 as compared with 1938, and the estimated value amounted to $7,838,975, or a decrease of $1,566,250. The factory inspectors were kept informed of building projects approved and of new companies locating in their districts and any reports of dangerous conditions in factory buildings were followed by special inspections and recommendations in the interest of safety.

In connection with the caisson and coffer dam work carried on in the Province, it is gratifying to report the readiness of contractors and employees to co-operate with the caisson inspector in carrying out all recommendations for safe working conditions and to abide by the regulations in every respect.

BOARD OF EXAMINERS OF OPERATING ENGINEERS

The thirtieth report of the Board of Examiners of Operating Engineers contains a gratifying account of work performed for the fiscal year 1939. This year 2,215 candidates were examined by the Board, 901 of whom were examined at the Toronto Office and 1,314 at outside centres chosen for the convenience of the candidates. The certificates issued totalled 17,212 and the net revenue of the Branch amounted to $27,294.47.

Adjustments were effected without recourse to court action in 636 cases of infractions brought under the review of the Board, and 198 cases were in process of adjustment at the close of the fiscal year. The text books prepared by the Board of Examiners continued to be of great service to operating engineers within the Province and requests for these books are still being received from many parts of the world. The revenue for sales during the year amounted to $2,257.

A study was made of the causes of failure on the part of candidates for examination, and it is hoped that some plan may be drawn up with a view at assisting candidates having adequate practical training in their preparation for examination. During the year members of the Board consulted with representatives of the mining industry, in order to determine the adequacy of the regulations in meeting the needs of this industry. The ready response and compliance on the part of the mining companies were most satisfactory.

BOILER INSPECTION BRANCH

The scope of the Boiler Inspection Branch was extended during the fiscal year by the assignment to the Branch, under authority of an Order-in-Council approved December 30, 1938, pursuant to section 56 of the Factory, Shop and Office Building Act, of the responsibility for the annual inspection of uninsured boilers and pressure vessels in the Province. Inspectors for this purpose and for the enforcement of the Steam Boiler Act will be located in eight centres of Ontario, as well as in Toronto, The change has resulted in a decided increase in the volume of work being accomplished by the Branch, and in the first three months of the new arrangement, ending with the close of the fiscal year, 116 of these inspections were made and 80 certificates issued.

The Examiner of Report and Designs of this Branch represented the Department of Labour on the Boiler Code Committee of the Canadian Engineering Standards Association. A great deal of work was done during the year and considerable progress was made in connection with the drafting of a national boiler code and a mechanical refrigeration code, which, it is hoped, will meet with the approval of the various provinces of the Dominion.

The regular work of the Branch was carried on in the usual manner. Totals of 334 drawings and specifications of boilers and pressure vessels to be constructed for use in the Province were surveyed and registered; 801 first, 543 second and 787 final inspections were made of new pressure vessels; 1,352 inspections were made of used pressure vessels, being extensively repaired, sold or exchanged, and 2,778 certificates were issued, in addition to the 80 certificates of annual inspections.

The total monies transmitted by the Branch to the Treasurer of Ontario amounted to $18,407.80, as compared with $19,599.87 in 1938.

INDUSTRY AND LABOUR BOARD

The Industry and Labour Board administers the Industrial Standards Act, the Apprenticeship Act and the Minimum Wage Act.

INDUSTRIAL STANDARDS BRANCH:—During the fiscal year there were 54 official conferences held pursuant to the Industrial Standards Act, 37 of which submitted schedules for approval. Of this number, 30 were approved and 7 were being held for further consideration. At the end of the year 85 schedules were in effect in the Province.

A total of $5,092.15 was collected from 109 employers on behalf of 286 employees as arrears of wages. This is an increase of $672.32 as compared with the previous year. There were 198 prosecutions under the Act, resulting in 157 convictions, with fines amounting to $1,440.

APPRENTICESHIP BRANCH:—At the close of the fiscal year 1939 there were 1,421 apprentices registered, which is the largest number in any year. The increases were mostly in the hairdressing and motor vehicle repair trades. Efforts were made to have evening classes established in vocational schools for apprentices in these two industries, and in the motor vehicle repair trade examinations for apprentices and for those making application for certificates of qualification were held in a number of centres throughout the Province. Considerable progress was made in improving the standard of instruction in licensed hairdressing schools, and in eliminating the practice of fee-charging by establishments not licensed to teach. A total of $341.82 was collected as fees wrongfully charged by such establishments and refunded to students through this Branch.

Although there is great need of training for youths in the building trades, contractors continued to find it difficult to adjust their business in order to provide sufficient practical training for such apprentices.

MINIMUM WAGE BRANCH:—A special feature of the work of the Minimum Wage Branch during the fiscal year 1939 was the collection, for the first time, of wage returns for male, as well as female employees. Returns were received from 15,059 firms reporting on 358,068 employees, of whom 251,257 were male and 106,811 female workers. The returns were grouped under 35 classifications and analyzed, and the fact that the returns this year covered almost two and a half times the number of employees, as compared with last year, indicates a considerable increase in the volume of work undertaken by the Branch. These figures do not include the returns from over 200 primary textile mills subject to the provisions of Special Order No. 1, nor those received from firms subject to the provisions of the wage schedules pursuant to the Industrial Standards Act.

Analysis of the wage returns revealed underpayment of a considerable number of female employees and adjustments were made by 884 employers on behalf of 1,446 such employees. The number of complaints received totalled 462, all of which were investigated but not all were justified, and arrears of wages amounting to $13,544.-98 were collected from 309 firms for 453 employees.

It is the policy of the Board to prosecute only where there is evidence of deliberate evasion or when the offence is too serious to be dealt with otherwise. During the year it was found necessary to prosecute 22 employers in connection with 28 breaches of the law. Nine convictions were registered, with fines amounting to $195.

At the end of the fiscal year permits were in force authorizing 116 employers to pay to 259 employees, who were handicapped or learners, rates lower than those established by orders of the Board, and in addition, 165 employers, whose piecework rates had been approved by the Board, held homework permits.

CONCLUSION

It is with regret that we record the death of Mr. J. Pender West. Mr. West joined the staff of the Department of Labour in April 1920, as Examiner of Reports and Designs in the Factory Inspection Branch, and soon became one of the best known and most highly respected members of this Department. He was an architect of long and varied experience and was particularly well equipped for this work in connection with which his advice was sought by architects and others in the building industry throughout the Province. He had been superannuated in May 1938, and at that time he and Mrs. West returned to take up residence in England where he died on Christmas Day 1939.

I have the honour to be, Sir,

Your obedient servant,

J. F. MARSH,

Deputy Minister of Labour.

ONTARIO GOVERNMENT OFFICES OF THE EMPLOYMENT SERVICE OF CANADA

GENERAL SUPERINTENDENT—H. C. HUDSON

EXPANSION IN ONTARIO SERVICE

Under the terms of the Employment Offices Co-ordination Act of 1918, the federal and provincial Governments have been co-operating in carrying on the work of the Employment Service of Canada. During the past fiscal year the federal Government has reimbursed the Province of Ontario for approximately 25 per cent of its Employment Office expenditures. The records of the federal Department of Labour covering the operation of the Employment Service of Canada in all provinces indicate that 40.5 per cent of the applications of the whole Dominion and 35.6 per cent of all the vacancies reported were registered in the Ontario Offices of the Service.

It is interesting to note that all but seven of the thirty Ontario Employment Offices operating at the end of the fiscal year 1939 have been rendering continuous service for more than twenty years. In other words, the opening of these offices dates back to the years of the Great War when their principal function was the provision of men and women to fill vacancies in munitions and to assist in the greater food production campaign launched by the Ontario Government. During the twenty-one years which have elapsed since the organization of the Employment Service of Canada, 2,993,464 placements of a permanent or casual nature have been made by the Ontario Offices, the largest number in any one year being in 1931, when the total reached 261,243.

The Employment Service in Ontario was expanded during the fiscal year by the opening of new offices at Owen Sound, Welland and Simcoe. In addition, the Department acceded to the request of representative citizens of York township and opened a branch of the Toronto Office in that township in December 1938. The three new offices have rendered useful service in their communities, but the branch office failed to make the number of placements anticipated and was, accordingly, closed shortly after the end of the fiscal year. In order to render the maximum degree of service to those interested in obtaining employment on the new hospital at St. Thomas, a temporary office of the Service was opened on the grounds of the hospital and was continued as long as the need of workers lasted.

RECORD OF WORK OF OFFICES

The records kept by the various offices indicate that 97.7 per cent of the orders for help placed by employers were filled by the Employment Service. The remaining 2.3 per cent, when analyzed, were found to be jobs offering sub-standard wages or commission sales jobs, which do not make an appeal to the average man out of work and lacking the small amount of capital to maintain himself until returns come in.

Approximately 200,000 individual workers made use of the Employment Service during the year. The registration and reregistration of these workers made a total of 315,116 applications, as shown in Table 1, but figures which are not shown in this Table are those of the repeated visits between reregistrations made to the offices by the majority of these 200,000 job seekers in their anxiety not to miss any chance of employment. These facts indicate the volume of work for members of the staff in connection with the one operation of registration. The very small number of complaints is a tribute to the restraint and good nature of those seeking work and is also a tribute to the courtesy and efficiency of the Employment Office staff.

A statistical table showing the applications, vacancies and placements will be found elsewhere in this report. In appraising the work done by the Employment

Offices, it should be borne in mind that the service has been, to a certain extent, in competition with numerous other self-appointed placement agencies. In times when employment opportunities are limited, practically all lodge, service club, and religious organizations engage to a greater or lesser degree in the employment field.

Individual reports from Employment Office Superintendents, particularly in Southern Ontario, indicate that the Employment Service is being used in an ever increasing degree by farm employers in obtaining their help. During the calendar year 1938, 16,390 men were placed on farms in Ontario by the Employment Service. The lowest month, January, showed 424 placements, and in the peak month of August 2,963 jobs were filled.

DOMINION-PROVINCIAL YOUTH TRAINING PROGRAMME

While the Department of Labour includes a separate branch dealing specifically with the problems pertaining to the Dominion-Provincial Youth Training Programme, it is inevitable that a large portion of the actual work in connection with the Programme should centre in the Head Office and the branches of the Employment Service. The Programme is essentially one of training and employment and the Employment Office Superintendents and staff have played a large part in the selection of the trainees, in their transportation to training centres and later in their placement in jobs. The extra work involved has been cheerfully carried on by the staff in the realization that such placement of young men and women in industry and in other forms of service is naturally a part of their work.

The Brantford and Simcoe Offices co-operated in the inauguration of a new form of Youth Training, namely, that of tobacco curing. Training in this line will reduce the numbers of curers permitted to enter Canada annually from the United States. Another new class under the Programme, in the organization of which the Employment Service co-operated, was the class for waitresses at Niagara Falls. The selection of young men for the mining course was carried out by the Head Office of the Employment Service, in co-operation with the Department of Mines, as it was in 1938.

CO-OPERATION WITH OTHER DEPARTMENTS

An important phase of the work of the Employment Offices is the co-operation with two other Departments of the Government, the Hydro-Electric Power Commission and the Department of Highways. Wherever possible, the local Employment Office Superintendent supplies the men required by both of these Departments, and, where the jobs are located at some considerable distance from the Employment Office, the Employment Office takes the responsibility of naming a "contact man" who acts as the unpaid agent of the Employment Service. During the fiscal year 116 contact men were named in various centres and 1,854 men were placed on hydro construction projects.

Reports from the Employment Offices and from contact men show a total of 16,081 men placed on highway construction jobs. In both highway and hydro placements the general policy is followed of selecting 50 per cent of the men from relief rolls or from needy cases in the community, 25 per cent key men, and 25 per cent other unemployed from the district. Of the 16,081 highway placements, 4,831 were on Federal-Aid jobs.

Some of the Employment Offices throughout the Province provide desk space for investigators under the Mothers' Allowances and Old Age Pensions Acts. This accommodation supplied to the Department of Public Welfare is greatly appreciated. The centres in which this arrangement is in effect are Hamilton, Kitchener, Stratford, Brantford, Chatham, Oshawa, Guelph and Windsor.

CLEARANCE AND IMPORTATION REQUESTS

An important feature of the work of the Employment Service, which has been continued throughout the year, is the operation of the Clearance System. Particulars of jobs which cannot be filled locally are sent to all other Employment Offices in the Province, thereby broadening the field covered in the search for qualified help for the employer. If provincial circulation fails to locate men with the exact qualifications called for by the employer, the order is then placed in what is known as Interprovincial Clearance and particulars go from Ottawa to every Employment Office between Halifax and Vancouver. This Clearance System is an integral part of the Employment Service and greatly increases its effectiveness.

In co-operation with the Immigration Branch of the federal Department of Mines and Resources, the Employment Offices endeavour to locate in Canada men qualified to fill special positions where the prospective employers have asked permission to bring in workers from another country. Such orders, known as Importation Requests, are invariably given Dominion-wide circulation and the part played by the Employment Service is that of a fact-finding agency; in other words, the Service does not make any recommendations either for or against granting the request. It merely provides the Immigration Branch at Ottawa, through the Director of the Employment Service of Canada, with information as to whether or not the exact type of man called for is available in this country. Approximately fifty such requests are handled in the course of a year.

GENERAL

It might be advisable to call attention to the situation in the mining industry. While it has always been true that a certain number of young men from Southern Ontario possessing good physique and initiative could find employment in the mines of Northern Ontario, each year sees a reduction in the number employed in this way. The explanation is that the majority of the mining camps in the North have been in operation for a period of twenty years or more, and there is a new group of workers now available, namely, the sons of those who are old employees of the various mines. Because of the increase in this source of labour supply, the situation is changing as regards the necessity of recruiting workers from the South.

PLACEMENTS MADE IN THE ONTARIO GOVERNMENT OFFICES OF THE EMPLOYMENT SERVICE OF CANADA — 1919 to 1939

Years	Placements		Years	Placements	
1919	75,151		1929	159,519	
1920	135,852		1930	141,841	
1921	107,764		1931	261,243	
1922	143,011		1932	181,533	
1923	167,933		1933	134,735	
		629,711			878,871
1924	149,298		1934	209,870	
1925	135,454		1935	35,777	(5 months)
1926	135,331		1936	140,265	
1927	136,897		1937	119,120	
1928	153,783		1938	145,780	(Revised figure)
		710,763			650,812

Total Placements .... 2,870,157 (Revised total)

1939 Placements 123,307

Placements . . . Grand Total 2,993,464

OUTLINE OF ACTIVITIES OF ONTARIO GOVERNMENT OFFICES OF THE EMPLOYMENT SERVICE OF CANADA

BELLEVILLE

Individual differences of temperament on the part of both employer and worker must be taken into consideration to effect satisfactory farm placements. This is true principally because of the intimate relationship existing between employer and worker in this industry. The degree to which an Employment Office Superintendent recognizes this fact largely determines the success of his efforts in a very important field of placement activity. In the Belleville area, as elsewhere throughout the Province, farm wages were essentially the same as during the preceding fiscal year, ranging from $15 to $25 a month for single men, with married couples receiving from $25 to $35 a month, and free house, fuel, milk and garden.

Manufacturing activities were at a low ebb during the year, with most factories operating on short time or with reduced staffs, or both. Close co-operation was maintained between the Belleville Office and the Youth Training Branch of the Department. Meetings for the promotion of the Plan were arranged in conjunction with the local service clubs and several local boys were placed in training courses and on farms.

The Belleville Office was responsible for placing 365 men on seven highway construction projects and also received an order for 100 men for work at the Trenton Airport. The statistical summary of the work of this office indicates that employers asked for 2,208 men and women during the year, 768 orders being for casual employment. The local employable recipients of relief were required to report regularly to the Employment Office and the record indicates that the number of unplaced applicants ranged from 437 in the month of April 1938 to a high of 805 in March 1939.

BRANTFORD

During the fiscal year under review a branch office of the Employment Service of Canada in the town of Simcoe was operated primarily for the purpose of supplying agricultural workers to Norfolk county. The combined offices of Simcoe and Brantford filled 2,846 farm vacancies or almost 300 more than during the preceding year. The co-operation of the Ontario Department of Agriculture in providing office space to the Norfolk representative of the Employment Service during the year contributed largely to the success of the efforts of the branch office. General farm wages were relatively equal to those paid in the Belleville district but it is interesting to note that workers in the tobacco fields receive from $30 to $50 a month and from $2.00 to $3.50 a day with board during the harvesting season. The median rate for workers in the tobacco fields was $2.50 a day during the harvesting of the crop. The Superintendent comments as below on the part played by the Brantford Office in connection with the Youth Training Programme:—"Again this year it has been our privilege to co-operate fully with the district representative of the Dominion-Provincial Youth Training Programme. The number of placements made under this scheme is not as large as during the corresponding period a year ago, but many valuable contacts have been and are still being made that should work advantageously as soon as industrial conditions improve. A number of local employers have been unable to keep regular employees on the payroll, while others have been unable to hire extra hands and still others report business expansion to date does not justify employing extra hands and particularly inexperienced youths at this period."

An additional interesting development under the Youth Training Programme was the inauguration of a class of thirty-two boys to be trained as tobacco curers. The Employment Service co-operated in the meetings held throughout the district to promote the idea of training local help in order to reduce the number of curers brought in each year from the tobacco areas in the United States.

A tribute is paid by the Brantford Superintendent to the co-operation of the daily newspapers in Brantford and Simcoe in publishing from time to time the type of material which helps to retain public confidence in the activities of the Employment Service. It might be opportune to state that the majority of other newspapers throughout the Province have likewise been most helpful in their news and editorial columns throughout the year.

Commenting upon the work of the Women's Department of the Brantford Office, reference is made to the fact that 35 per cent of the registrations at all times has consisted of married women "many of whom would not likely be seeking work if their husbands were employed steadily."

CHATHAM

The Chatham Office of the Employment Service made slightly over 3,200 placements during the year, 23 per cent of which were in farm work. An interesting development was an increase in the tobacco acreage in Kent county. The local tobacco factory has given the Employment Service the opportunity of recruiting ten young men to be taught the operations carried on at the "tying table". These young men will be paid wages until they have acquired sufficient skill to carry on the job on a piece work basis. On this basis wages normally range from $15 to $18 a week.

Highway construction was not extensive in the district during the year, but the Employment Office supervised the selection of more than 600 men for employment with the city of Chatham on a shift work basis, the work being devised principally to permit married men to keep their rents paid whether or not they are on relief rolls.

Two local boys selected for admission to the course in mining at the Haileybury School of Mines under the Dominion-Provincial Youth Training Programme have given a good account of themselves and are now employed in the mining industry in Northern Ontario.

FORT WILLIAM

The outstanding feature of the report of the Fort William Office is the reduction in the number of placements as compared with the previous year. This is explained primarily by the fact that the number placed in lumbering operations in 1938-39 was 4,126 less than during the preceding year. It is interesting to note that there was a corresponding reduction in the number of applicants who registered at the Fort William Office. During the previous year large numbers of men were attracted from outside points and had no difficulty in obtaining work in the bush. Owing to the decline in lumbering activities, many of these men returned to their homes or migrated to other sections of the Dominion in search of employment.

A local manufacturing establishment has received a contract for the manufacture of aeroplanes for the British Government and at the end of the fiscal year 250 men were employed in this new field of activity.

As in the case in Chatham, the Fort William Office rendered a distinct service to the municipality by assuming the responsibility for the selection of all men for public works projects carried on by the city of Fort William. This method of selection lends itself to a more equitable distribution of whatever work is available and works out satisfactorily from the point of view of both the city and the applicants.

The fiscal year ended with three times as many men registered as unemployed in Fort William as had been the case exactly twelve months previously, the figures being respectively 1,512 and 574.

GUELPH

No dificulty was experienced by the Guelph Office in placing all the qualified domestic help available. It was, therefore, possible to absorb some of the young women trained at Preston under the Dominion-Provincial Youth Training Programme. Orders for help for the homes of Guelph increased materially during the month of March as a result of an epidemic of influenza which recalls the fact that just twenty-one years ago every Employment Office in the Province at that time found it absolutely impossible to fill similar orders caused by the same type of epidemic.

Farm placements were lower than during the preceding year. The decrease is explained by the Superintendent as due to the fact that any relief recipient who went to the harvesting fields in 1937 was allowed to retain what money he made during that period. This policy was not followed in the summer of 1938.

HAMILTON

The Hamilton Office has played a prominent part in the various aspects of the Youth Training Plan, Hamilton being the first city in the Province to set up a local committee of citizens supporting the Plan. The Superintendent of the Employment Office is a member of the committee and meetings are held monthly in an effort to render the greatest possible assistance in the placement of young persons. General employment conditions being at a low ebb throughout the year, however, the total number of placements was below 1938 and the year ended with an increase of more than 5,550 registered unemployed on the files of the office. At the beginning of the fiscal year the unplaced applicants totalled 4,245.

Applications for employment in both Men's and Women's Departments totalled 17,430, and employers' orders totalled 6,265. In other words, calls were received for only about one third of the men and women available. To conduct the business of an Employment Office with conditions such as these prevailing represents a real strain on the members of the staff, not only in Hamilton but elsewhere, and it is worthy of mention in this report that the staff has maintained the confidence of the unemployed of the Province, as indicated by the fact that no serious trouble occurred in any of the offices at any time during the year.

The demand for domestic help was maintained with slightly higher wages being offered for experienced help than in the previous year. Young women trained under the Dominion-Provincial Youth Training Programme in the local school have been placed in employment and it is reported that "most cases have worked out excellently."

KENORA

As indication of the useful purpose served by an Employment Office, the following extracts from the report of the Kenora Office Superintendent will be found interesting:—

"In the face of a severe decline in general business felt early in the year, with consequent drop in employment opportunities in all local industries, including highway construction and particularly the logging industry, the Kenora district as a whole did not lose ground in its steady advance towards establishing itself not only as one of the best holiday spots on the continent, but as a district with real mining possibilities and unsurpassed in other investment opportunities."

"The Kenora Office became more firmly established, filled a vital need and was at all times on the alert for new placement opportunities. Most of our time was taken up with highway construction, paving operations and bridge construction in the district, of which there was a considerable amount, though less than the year before. We enjoyed a good measure of co-operation from the various contractors, and insofar as placement of men is concerned, we worked in close co-operation with the relief officials of the district, so that, as often as possible and practicable, relief and needy persons received the preference on orders for this type of work."

"A marked decrease in vacancies and employment opportunities in the mining industry accompanied the general slump in 1938 and an expected revival of interest did not develop during the late summer due to the tenseness of the political situation in Europe. This industry is giving direct employment to approximately 2,000 men in the Kenora and Red Lake Mining Divisions. During the year a number of men were given free examinations for silicosis through an arrangement with this office and a doctor from the Workmen's Compensation Board, so that a supply of certificated men were at all times available for all vacancies. A special effort is going to be made this year by the Kenora Office to get more placements in this division."

KINGSTON

Many farmers' sons were employed on highway construction during the year, which resulted in an increase in the demands made upon the Kingston Office for farm help. At the conclusion of the highway programme for the season, the farmers' sons returned to their homes and the additional help which had been taken on the farms was laid off.

The total number of relief recipients in Kingston during the year ranged from 916 in May 1938 to 1681 in March 1938, including dependants. At the end of the year there were 1,491 men, women and children receiving relief, of whom 586 were registered in the Employment Service as available for work.

An improvement in the employment situation in the Kingston district is anticipated following the action of a large lumbering company which has taken over timber areas in Effingham township and is contemplating cutting 5,000,000 feet of timber over the next five years.

KITCHENER

Commenting on the activities of the Kitchener Office, the Superintendent reports as follows:—

"The members of the staff engaged themselves wholeheartedly in the work of the Dominion-Provincial Youth Training Programme. Thirteen boys and thirty-three girls were placed in manufacturing plants. A number of girls trained at Braeside Lodge Training School at Preston were placed in this district; two young men were sent to the mining course at Haileybury and one to the Marconi School at Toronto."

"Placements in the Women's Section of the Kitchener Office reached a slightly higher total than in the last two years. Five hundred and seventy girls and women were placed in regular and casual domestic work, 197 were placed in industry, restaurants, hotels and stores, a total of 767. No doubt a higher mark would have been attained in the domestic division had there been more trained domestics available. Quite a large number of employers throughout the Province believe domestics are available in this district in large numbers and come to Kitchener to obtain this class of help."

Employment conditions in Kitchener were adversely affected by the serious strike in the rubber industry, involving 1200 workers and lasting for five weeks. In addition to the loss of wages involved, retail merchants felt the effect on their business and were consequently obliged to reduce their staffs.

LONDON

As a result of the opening of an Employment Office in Woodstock the orders for farm help placed with the London Office show a decrease. In spite of this fact, however, there was a shortage of farm labour during the month of August and wages for a time reached the rather high figure of $35 a month. It is interesting to note that the London Office placed ninety married couples on farms during the year at wages ranging from $25 to $35 a month with free house, free milk, garden, etc.

A local shoe manufacturing company inaugurated an annual pay plan which is the first experiment of this kind made in the shoe industry in Canada. Under the scheme a certain percentage of the sales value of the stock manufactured is credited to a salary reserve account. Out of this fund, the employee is paid fifty-two weekly cheques of which two weeks are holidays. A committee of employees worked with the management in the operation of the fund and any amount remaining in the account at the end of the year is to be distributed as a bonus to the employees.

The London Office supervised the placement of men on one highway project in the vicinity of Parkhill and also supplied 41 men for work on a rural hydro project in the fall of 1938. Eight young men were placed in courses of training under the Dominion-Provincial Youth Training Programme and five local firms engaged nine apprentices and learners under the same Plan.

A shortage of skilled domestic help was reported by the Women's Department which was instrumental in placing nineteen young women who had taken the course in Home Service Training either at St. Thomas or Preston. A surplus of day workers as compared with the demand is a reflection of unemployment amongst the men of London. It is significant to note that of the total number of women registered in the London Office, almost one quarter are handicapped in their search for work either through physical disability or age.

NEW TORONTO

Following a year of activity in highway construction, the placements in the New Toronto Office in this type of work diminished greatly with the completion of the various projects connected with the Queen Elizabeth Way. The only new contract let was for the extension of the highway, which was at that time known as the Middle Road, from Brown's Line to Salisbury Avenue, involving the construction of a bridge and two subways. Seventy-five men were placed on this project by the New Toronto Office.

The construction of the airport at Malton and the building of a factory for the National Aircraft Corporation resulted in a few placements, but the majority of the men required were taken from the city of Toronto because of an understanding between the contractors and the Toronto civic authorities.

The scarcity of highway construction work resulted in more interest in farm jobs on the part of applicants. The result was a substantial increase in the number of farm placements made during the year. Eleven young men were placed as learners and apprentices under the Dominion-Provincial Youth Training Programme and nine boys were sent to three of the training courses under the Plan.

NIAGARA FALLS

The 40 per cent reduction in the number of placements made by the Niagara Falls Office in the fiscal year 1939, as compared with the previous year, is partially a reflection of the decrease in the manufacturing industries in the district. The opening of the Welland Office also narrowed to a considerable extent the territory served from Niagara Falls.

Approximately 100 men were placed on highway and other government unemployment relief projects, the most important of which was the restoration of Old Fort Erie. The destruction of the Upper Steel Arch Bridge is given as the cause for the reduction in the amount of tourist traffic which meant that fewer orders for seasonal help were placed with the office.

The circulation of three importation requests through all the Employment Offices in Canada failed to bring forward any satisfactory applicants. These orders called for an experienced hand burnisher, an experienced flat ware die cutter, and a diamond driller with experience in pipe driving.

"The outstanding activity under Youth Training was the formation of the waitress classes. This movement was sponsored by the Business and Professional Women's Club, the Local Council of Women and the Y.W.C.A. At the end of the fiscal year, thirty-two waitresses had been fully trained and certificates granted to them. Nineteen others are still in training. Before the classes commenced, the managers of the leading hotels and Niagara Falls Park Commission Restaurant were interviewed regarding the placing of the waitresses when the summer season opened. This they have agreed to do and it is fully expected that eighty per cent of those trained will be placed in employment."

Eleven learners and apprentices were placed locally and fifty-eight young persons from Niagara Falls, including the waitresses mentioned above, received training under the Youth Training Programme.

NORTH BAY

Lumbering in the North Bay district was 50 per cent less in volume than during the previous year. The placement of men in the lumbering industry, however, by the North Bay Office, was 67 per cent below 1937. The discrepancy between these two figures is largely explained by the extent to which transients in search of employment have canvassed the lumber companies and the scenes of the lumbering operations in their search for work, thereby making it unnecessary for the operators to call upon the city of North Bay to supply its usual quota of workers. The loss of the export market for pulpwood caused a certain amount of hardship to settlers who cut and piled pulpwood on their own properties expecting that it would be sold. One order for pulpwood cutters, however, which was placed with the local office, provided employment for 200 men for a period of three months.

The Superintendent of the North Bay Office comments favourably upon the inclusion of a labour clause in the highway contracts, pointing out that the restrictions placed upon the contractors as to what men shall be engaged has a salutary effect on local relief rolls and also results in employment being given to bona fide married residents of the district rather than to single transients.

At the peak of operations sixteen projects were being carried on in the North Bay district with a personnel of nearly 1,900 men. These projects were spread over a total distance of 250 miles. Proper supervisory coverage would have been impossible by the available staff of the office had it not been for the co-operation obtained from the relief inspectors in the various districts. These men cheerfully worked long and hard in combining their own departmental duties with the exigencies of this office.

An analysis of the pay rolls at the peak of the highway activity showed that 48.3 per cent of the men employed had been taken from relief rolls, 32.8 per cent were married and single men from the district, the majority of whom were in necessitous circumstances, and 18.9 per cent were key men supplied by the contractors.

No less than 700 women were placed in jobs by the North Bay Office. These figures include vacancies filled in domestic, hotel, restaurant, institutional and tourist camp work. New mining localities in Northern Ontario and Quebec look to

North Bay for qualified domestic help and some of these jobs pay exceptionally high wages.

OSHAWA

For the first time the Oshawa Office participated in the placement of men on highway work. Between September 1938 and March 1939, 297 men were selected for work on the new dual highway between Toronto and Oshawa. The selection was made in co-operation with the relief administrators in the district, and contractors expressed themselves as well satisfied with the type of men chosen for the job. A decrease in the production of motor cars affected the earnings of the 3,500 men and was also reflected in reduced earning of men working in allied plants. The Superintendent reports a shortage of cooks-general in the domestic field.

Tribute is paid by the Oshawa Superintendent to the special representative of the Youth Training Programme for the assistance given to the office in promoting good will among the employers of labour and in the general promotion of the Youth Training Plan.

OTTAWA

Statistics submitted by the Superintendent of the Ottawa Office indicate the largest number of placements made in two decades, the figure amounting to 20,718, which is 14,000 above the preceding year. The explanation of this increase is threefold:— first, the abolition of the separate Civic Employment Bureau and the incorporation of its activities and staff in the local office of the Employment Service of Canada; second, the abolition of the Farm Placement Department of the federal Land Settlement Board and the transfer of all farm requests to the Ottawa Employment Office; third, the understanding reached with contractors on federal projects to obtain all their labour through the Employment Office.

Farm employers in the Ottawa valley naturally turn in increasing numbers each succeeding year to the Ottawa Employment Office when requiring help. The demand is almost exclusively for experienced dairymen and only an odd call was received for married couples. Wages ranged from $10 to $15 a month during the winter and from $20 to $27 during the summer months. The majority of farm placements were at $25 a month and board.

Contractors on federal building projects had their attention called by the federal Department of Labour to the following clause appearing in the general specifications covering Department of Public Works contracts:—

"EMPLOYMENT OF LABOUR—In the execution of the works as far as practicable and consistent with reasonable efficiency and economy, first consideration shall be given to the employment of those who, if available and competent, are most in need in the locality in which the works are to be performed, without any discrimination whatsoever, preference being shown to unemployed ex-service men and unemployed married and single men with dependants. The Department desires that this clause be adhered to."

In addition, contractors were notified as below by the federal Assistant Deputy Minister of Labour:

"I am directed to call your attention to the relief regulation of the Province of Ontario requiring all recipients of relief in urban centres of the Province to register at the Employment Service. It is the desire of the Government that any extra labour required in carrying our your contract be secured as far as passible, through the office of the Employment Service."

Six young men from Ottawa and district were sent to the Haileybury School of Mines under the Dominion-Provincial Youth Training Programme and all subsequently obtained employment in the mining industry. In addition, three boys were selected for the course in carpentry at Hamilton, and three for the training course in gardening at the Ontario Agricultural College at Guelph. Several boys who had taken the course in welding under the same Plan were placed with a local company which is branching out into the manufacture of aeroplanes. Participation in the Youth Training Plan was not confined specifically to Ottawa, but young men and women were placed at Prescott, Cornwall and Smith Falls.

Commenting upon the co-operation which now exists between the civic authorities and the local employment office in the selection of men for city work, the Superintendent writes as below:—

"On June 1st, the civic employment office was closed and the city representative was supplied with desk room in this office, and all city requirements were centred here. This arrangement has worked out very satisfactorily to date, and has increased the business in this office considerably. During the summer months improvement work was responsible for many calls for both skilled and semi-skilled workers, and during the winter months heavy placements were made with both the city and Ottawa Street Railway in cleaning the streets of snow."

Appraisal of the Home Service Training School project included in the report of the Superintendent of the Ottawa Office appears below:—

"The Home Service Training School in Ottawa continues its excellent work of training household workers. Applications for admission far exceeded available accommodation, and a selection was made on the basis of suitability and general circumstances of applicant. Trainees having completed their three months' course are graded according to their ability, A, B, C. The usual wages offered are $20 to $25, and $15 respectively. Employers usually express a preference for a general maid between 20 and 25 years of age, and seldom younger than 18 years. We have, therefore, found it rather difficult to place 16-year-old girls except as mother's help, where the wages offered are around $12 per month. Instances have been noted of girls who before entering the School drifted from place to place, remaining only a very short time in any one post, but after having completed their training have given satisfactory service to their employer. This is due in large measure to the training and discipline received during their three months in School. The fact that perhaps for the first time in their lives many of them have had the advantage of ideal living conditions, including proper nourishment, has increased their employability tremendously."

As in Toronto, the federal Government maintains a special handicap representative in the Ottawa Employment Office. As a result of 7,375 interviews with prospective employers, the Handicap Section representative made 308 placements during the year. Occupations in which men were placed totalled forty-three including chauffeurs, elevator operators, gardeners, handy men, letter carriers, special constables, watchmen, etc. Twenty-seven of the 308 placements of handicapped ex-service men were made under the provisions of the Probational Training Plan including service station operators, shoe makers, barbers, butchers, and auto mechanics.

OWEN SOUND

On July 4, 1938, a new unit in the chain of Ontario Employment Offices was opened in Owen Sound with A. J. Kreutzweiser as Superintendent and Miss Catherine McKay as clerk-stenographer. Training in employment office procedure was given the staff by representatives of the Employment Service from Toronto. Between the time of the opening of the office and March 31, 1939, more than 1,000 men and women were placed in employment, clearly indicating the need for an office of the Employment Service in that community. An analysis of the placements shows that 470 were in casual jobs and 582 were in regular employment. The Owen Sound

Office served not only the city of Owen Sound but surrounding rural areas and municipalities and a thorough canvass of employers was made during the year by the new Superintendent. The local relief administration co-operated with the activities of the office by requiring the relief recipients to register regularly.

Eleven young men and women from the Owen Sound district were assisted by the office under the Dominion-Provincial Youth Training Programme, three being placed on farms, six girls in domestic service, and one boy was sent to the mining course at Haileybury and one boy to the agricultural course at Guelph.

PEMBROKE

Highway construction throughout the Pembroke district resulted in more than 700 placements, many of the men being taken from relief lists in the communities through which the various roads pass. The Hydro-Electric Power Commission employed seventy-five men during the fall and early winter months, while a large number of labourers and skilled mechanics were placed on maintenance and construction work at Petawawa military camp. Reforestation and construction required the services of 150 labourers at the Dominion Forestry station at Chalk River. As in other lumbering centres, logging showed a marked curtailment as compared with the previous years, both in the woods and in the local mills. Local manufacturing plants, however, maintained the same level of employment as in 1937.

The Office co-operated in the Youth Training Programme, placing seven young men under the Learnership phase of the Plan and also sent one boy to the course in electric welding and one to the course in mining at Haileybury. In addition, eighteen young women from the Pembroke district were sent to the Home Service School in Ottawa and were placed in employment in that city.

PETERBOROUGH

On January 3, 1939, W. H. L. Mellis assumed the duties of Superintendent of the Peterborough Office following the transfer of the former Superintendent, D. Douglas, to the inspection staff of the Department of Labour. The principal demand for farm labour was for part-time workers, with a few orders for men by the year and the local supply was sufficient to take care of the demand. Winter wages ranged from $8 to $10 per month.

Local manufacturing concerns reported fewer vacancies than in 1938 and several hundred workers were thrown out of employment by the closing of a local woollen mill. During the year 788 men placed in highway construction jobs principally on the Buckhorn-Bobcaygeon highway. Some men were also employed completing the work on the Rip-Rap in Peterborough and shouldering that portion of No. 7 highway which had been paved during the previous year.

One boy from Peterborough was sent to Toronto to take the radio course; one to Haileybury for the mining course and two boys were placed locally to learn shoemaking and repairing under the provisions of the Dominion-Provincial Youth Training Programme. Nine local girls were sent to Preston for the course in Home Service Training.

PORT ARTHUR

The Port Arthur Superintendent reports the fiscal year 1939 as the lowest from an employment standpoint for many years. The local demand for pulpwood cutters was much lower than usual, and did not absorb more than 35 per cent of the experienced help available. The plight of 250 single men was brought to the attention of the city council in November 1938 and a plan was adopted under which these men were given two days' work per week cutting brush and clearing city property. For this they received vouchers to the value of $4 weekly and at the conclusion of the fiscal year approximately 200 single men were still working on this basis.

Under ordinary conditions the Port Arthur Office of the Employment Service supplies large numbers of men for railway track maintenance. During the year, however, the majority of the men employed were drawn from other divisions of the railway working forces and very few extra gang workers were needed.

ST. CATHARINES

Placements in factories and on local building jobs through the St. Catharines Office fell below the level of the previous year. The major construction projects carried on in the district were on the highway to Niagara Falls and included the building of a four-lane highway and overhead bridges at various points between Grimsby and Welland Canal.

One large firm in St. Catharines trained ten young men under the Leanership and Apprenticeship plans, while other youths were placed in courses in welding, landscape gardening and mining. The Superintendent reports keen interest on the part of local young men in the provisions of the Plan, indicating the keen desire of these boys to become self-supporting and useful citizens.

ST. THOMAS

Working closely in co-operation with the district representative of the Dominion-Provincial Youth Training Programme twenty-one men and women from St. Thomas participated in the Programme, nine girls being trained with a local shoe company and ten sent to the Home Service Training School. In addition, one boy was sent to the Ontario Agricultural College at Guelph for the course in landscape gardening and one to the wireless course in Toronto.

The completion of the work being done on the St. Thomas Mental Hospital and the jack-knife bridge at Port Stanley resulted in a marked decrease in the number of placements made by this office during the year.

SARNIA

Each succeeding year sees an increase in the use of the Sarnia Employment Office by the farmers of the district. During the fiscal year 556 farm orders were filled as compared with 539 for the previous year. It is interesting to note that there was a marked increase in the number of orders received for married couples and that a large number of single farm hands decided to remain on their jobs at reduced wages, rather than be unemployed during the winter months. The Sarnia Office was kept busy through the entire year in selecting and placing building mechanics and labourers. Approximately 450 placements were made on the various projects.

One student was sent to the mining school at Haileybury, one to the Agricultural College at Guelph and one to the course in wireless operating at Toronto. The local unit of the Home Service Training School was closed in May 1938 and the students who had completed their training were successfully placed in positions. In the domestic and personal field 850 placements were made, the majority of such placements being in household jobs.

SAULT STE. MARIE

Sault Ste. Marie reports the lowest number of placements in the logging industry for many years. The companies operating employed only former employees and hand picked their gangs and found it unnecessary, therefore, to call on the local Employment Office for help. The demand for sailors was light but all orders received from the boats going through Sault Ste. Marie were satisfactorily filled.

Highway construction accounted for 1,173 placements throughout the district. The Superintendent pays a tribute to the efficient manner in which the relief officers in Blind River and Thessalon co-operated in the selection of needy cases for the projects in the vicinity of both these towns.

SIMCOE

What had formerly been a temperary office in Simcoe for the placing of agricultural labour during the summer months became, in effect, a full-time office during the past fiscal year. John Freeman was placed in charge of the office at the beginning of May 1938 and was promoted to the rank of Superintendent at the end of the fiscal year under review. With the improved status of the office, it became necessary to obtain more adequate accommodation and in March 1939, the office was moved from premises occupied by the local agricultural representative and a new office was leased at 27 Kent Street. The extent to which the Service was utilized by employers throughout the district is seen in the fact that the placements for the year totalled 2,275. Of this number 1,255 were on tobacco farms and 810 on general farms. Ninety-two orders were received for domestic employment, while the balance of the jobs covered a wide range of occupations including building construction, retail trade and the manufacturing of tobacco. Simcoe placements for the fiscal year 1939 are included in the statistics for the Brantford Office.

STRATFORD

The Stratford Office Superintendent has outlined a sliding scale of wages for farm employees which has been adopted by some of the farm employers in Perth and Huron counties. He points out that under the present system single men work only in the summer season with wages at their peak and receive municipal and governmental assistance during the winter months at a rate higher than they could earn on the usual farm wage scale. The suggestion is that farm labour pay be graduated over the entire twelve months so that the employee would receive higher wages than he now does in the winter time but slightly lower than are now paid during the summer season.

In co-operating with the local representative of the Dominion-Provincial Youth Training Programme the Stratford Office has placed seventy-five young men and women in training and employment. The Superintendent reports a growing interest in the Plan throughout the counties of Perth and Huron.

The Stratford Office co-operated with the county, the Province and the federal Government in the selection of men for road work and dredging. The dredging contract was for work in the harbour at Goderich and forty local men were placed on the project.

SUDBURY

As in the case of all other northern offices, Sudbury reports a substantial reduction in the number of placements in logging operations. The decrease, however, was not as great in the Sudbury area as in Port Arthur.

The office was successful in placing fifty local young men between the ages of 18 and 29 on jobs paying from 55 cents to 60 cents an hour. This group was placed without regard to the Dominion-Provincial Youth Training Programme.

As a result of the change in premises, more orders were received for women for domestic employment and any household worker who had satisfactory references had no difficulty in securing employment through this office.

TIMMINS

The Timmins Office of the Employment Service showed a record of placements higher than other offices in towns of a similar size, the total being over the six thousand mark, and well above the average for the past five years. Naturally, the majority of the placements were made in the mining industry. The following extract from the report of the Superintendent throws an interesting light on the situation in this industry:—

"The mining industry is well noted as the chief industry in this district and supports all other lines of activity, with the exception of the pulp and paper industry. Large numbers of men from almost every part of Canada come to the Porcupine, principally during the spring and summer, with the hope of securing employment with the mines. Many are disappointed, due to the producing mines offering very little new employment, and the favouring of the sons of men who are old employees. The district has been fortunate with the promotion of many new prospects, which have offered much temporary and permanent employment."

Three hundred and seventy-nine men were placed on highway construction projects as compared with 397 the previous year. The extent to which the Timmins Office was able to place women in employment is worthy of note. During the twelve months, jobs were obtained for 1,658 women, principally as household workers, hotel and restaurant workers, retail store clerks, bookkeepers and a few stenographers. Three young men from various parts of the district were admitted to the course in mining at Haileybury under the Dominion-Provincial Youth Training Programme.

TORONTO

During the fiscal year 1,965 farm jobs were filled by the Toronto Office at wages ranging from $15 to $35 a month according to the season. Of this number 334 were unemployed youths, 141 of whom were placed under the Dominion-Provincial Youth Training Plan. Towards the conclusion of the year, the office took over the farm employment activities previously performed by the Land Settlement Branch of the Soldiers Land Settlement Branch of the Dominion Government.

Below will be found extracts covering various phases of the activities of the Toronto Office:—

"In addition to the usual placement work in the Youth Division, there were 168 young men placed in training under the facilities provided by the Dominion-Provincial Youth Training Programme, as follows: 90 selected and placed in Technical Schools for training in welding, machine shop practice, woodworking, gardening, textile designing, wireless operating, bricklaying, mining and nursing; and 78 placed directly in industrial and commercial concerns to learn machine operating, stockkeeping, banking, electrical refrigeration, air-conditioning, bookkeeping, factory costing, jewelry manufacturing, and designing. During the year 154 graduates from the Homecraft Training Centres of Toronto, Preston and St. Thomas were placed with satisfactory results. An interesting feature of the youth training placement was the placing of two deaf and dumb applicants, one to learn stonesetting in a jewelry manufacturing plant, and the other to learn designing and colouring of artificial flowers."

"The activities of the Handicap Department for the year compare very favourably with those of the previous year. There were 1,523 placements of partially disabled applicants made during the year, as against 1,554 for the previous year. Registrations, however, increased considerably, there being 1,108 new registrations for the period as against 608 for 1938. The increase occurred very largely amongst the civilian "age" group, many of whom were referred to this department by the City Welfare Department for exemption. Exemptions have been very heavy during the year; 789 as against 144 for the year 1938. There is now a total of 1,405 applicants who have been exempted from attendance at the Employment Service of Canada as being totally unfit for the labour market, either through age, age and disability or disability. The age group is by far the most numerous."

"The work accomplished by this Department on the Veterans' Assistance Commission's Probational Training Plan during the year continues to show satisfactory results, there having been a total of 1922 registrations for the plan to date, of which 463 have secured employment. Of those placed who have terminated their training, approximately 68 per cent have secured permanent employment. In this connection, the advertising campaign undertaken by the Veterans' Assistance Commission has been very helpful and is largely responsible for the continued interest in the plan, both on the part of the applicant and of the employer of labour. Relations between this Department and the local Honorary Committee have been most harmonious."

"Cordial relations have been maintained by this Department with the various civic departments and the Canadian National Exhibition and their help in placing disabled applicants in temporary employment during the year is much appreciated. Appreciation is due also to the various hospitals in the city for their courtesy in examining and reporting on such applicants as have been referred to them by the Handicap Department."

"During the year, 1,703 labourers were provided with employment on provincial highways in Dufferin, Simcoe, and York counties. These men were recruited from the immediate vicinity of the projects concerned and a very close check was maintained by the Toronto Office on all jobs to see that governmental regulations, pertaining to percentage of relief recipients employed, were carried out. In addition, there were 201 labourers selected and placed with the Hydro Electric Power Commission of Ontario during the hydro extension in the city of Toronto."

"During the year, upwards of a thousand problem cases were referred from the local Welfare Department and the selection of suitable applicants to meet the varied requirements of employers, particularly in the domestic sphere, was a most difficult and, at times, lengthy operation. Many of these applicants were well past middle age, others were widows with dependent families, many suffering physical or neurological disabilities, while a large number were unmarried mothers with several children."

"As the result of repeated recommendations by the York township officials and other interested bodies in that municipality, a branch office was instituted in York township on December 8, 1938, with Joseph Sorton of the Toronto staff placed in charge. Registrations totalled 3,189, of whom 85 per cent were in receipt of relief. Owing to the depressed condition of industry, particularly during the winter months, the placements were relatively few in number."

WELLAND

On August 17, 1938, the Department of Labour re-opened an Employment Office in Welland, after a lapse of eighteen years. By a coincidence, M. H. Dickie was available and was re-appointed as Superintendent. Upstairs premises were obtained in the Public Utilities Building at 109 Division Street, one block from the main street of the city.

In co-operation with the district representative of the Dominion-Provincial Youth Training Programme, eleven young men were selected for training in Hamilton, and three boys were placed on farms. Arrangements were concluded with the local relief administration for all employable relief recipients to register at the office and their needs were kept in mind in filling vacancies for which they were qualified.

WINDSOR

Owing to the exceedingly heavy influx of labour to the Windsor district from all parts of the Dominion during the fall of 1937, the demand for farm hands during the year was away below normal. The majority of transients who came to the city were practically stranded during the winter of 1937-38. During the early spring these men were touring the county seeking work, consequently the demand for help in the Windsor Office was decreased considerably.

Activities in the manufacturing centres took a decided slump at the beginning of the fiscal year and staffs were gradually reduced until midsummer, when the plants were practically closed for several weeks. During the early fall, plants again resumed operations, but were handicapped on various occasions, being unable to obtain automobile parts from Detroit, owing to strikes in the various automobile plants there. Production during the winter months was fairly steady, but the majority of plants have been operating two, three and four days a week for some considerable time with reduced staffs.

Very little highway work was done in the Windsor district, but approximately 150 men were given several weeks work on the dual highway on Huron line and Maidstone. The majority of these men were taken from the relief rolls.

With regard to the Dominion-Provincial Youth Training Programme, there were very few opportunities offered for young men in the Windsor district. Many of the plants have been operating with reduced staffs during the year and it was practically impossible to find openings for these young men. One youth was selected for the mining school at Haileybury, two for a machine shop course at Galt and one for the Marconi School at Toronto.

A motor company selected twenty-one youths for a three year course in tool and die making in its Trade School. The boys selected were between the ages of 17 and 19 years, had passed their matriculation at the Vocational School, and had had three years training in tool and die making at the Vocational School.

The Windsor Home Service Training School has been moved to a more central location, and the manner in which applicants are taken on for this course changed somewhat. Instead of eighteen girls entering every three months for this training, six girls are taken on the first of every month. In this way, six girls are available every month, and prospective employers do not have to wait so long for these household assistants. About sixty per cent of these trainees are taken from the relief rolls. The average age is between 17 and 18 years.

WOODSTOCK

Unlike many of the offices, the Woodstock Office of the Employment Service made more placements during the fiscal year 1939 than during the preceding year. The confidence of employers was gained by careful selection of qualifed applicants to fill all vacancies reported to the office.

In most sections of Southern Ontario farm labour is hired on a monthly or seasonal basis. In the Woodstock district, however, the farm employers seem to prefer to engage their men by the year and the office made a very creditable showing of placements, a total of 1,051 men being placed on farms during the twelve-month period. The Superintendent suggests that interest in farm work as a career would undoubtedly be stimulated by including a one year course in agriculture in the secondary schools, as he feels that "the boys would be anxious to put into practice what they had learned in theory at school."

A special effort in connection with the Youth Training Plan resulted in placements in textile factories and, in addition, one applicant from Woodstock was sent to the mining course, one to the radio course, two to the welding course, two to the landscape gardening course, three to the machine shop course, and six to the Home Service Training Centre.

When a sub-contractor failed to bring his trucks, as arranged, to a highway job in the Woodstock district, the Superintendent obtained twenty-two trucks within two days. This special service was much appreciated by the contractor. The completion of some paving and bridge building contracts in the district resulted in the placement of 297 men on various construction projects. A contributing factor in the success of the Woodstock Office during the year has been the news column and editorial support given by the local newspaper.

TABLE 1

ONTARIO GOVERNMENT OFFICES, EMPLOYMENT SERVICE OF CANADA

VACANCIES, APPLICATIONS AND PLACEMENTS DURING FISCAL YEAR, APRIL 1, 1938, to MARCH 31, 1939.

	Vacancies	Applications	Placements		Provincial and Interprovincial Transfers	
			Regular	Casual	In	Out
Belleville	2,208	3,695	1,434	768	6	5
Brantford	3,797	6,270	2,910	865	18	22
Chatham	3,210	4,306	1,430	1,775	4	—
Fort William	3,011	5,209	1,945	1,060	3	1
Guelph	1,228	2,814	725	407	14	1
Hamilton, Men	2,943	11,701	1,777	1,158	3	40
Hamilton, Women	3,322	5,729	1,122	1,662	1	4
Kenora	1,767	4,281	1,209	553	5	—
Kingston	2,737	4,079	2,254	369	11	6
Kitchener	2,410	5,331	1,090	1,248	14	11
London, Men	3,633	5,951	2,631	981	3	11
London, Women	2,477	3,801	1,055	1,336	2	—
New Toronto	746	3,718	543	200	2	1
Niagara Falls	1,591	2,502	1,033	442	15	8
North Bay	5,410	7,018	4,831	556	23	208
Oshawa	2,603	5,412	812	1,713	36	3
Ottawa, Men	17,572	24,923	3,255	14,310	6	4
Ottawa, Women	3,173	7,523	1,987	1,162	—	—
Owen Sound	1,091	2,239	582	470	1	—
Pembroke	3,029	6,003	1,731	829	454	45
Peterborough	2,052	3,595	1,665	382	5	1
Port Arthur	8,040	8,510	3,820	3,925	294	2
St. Catharines	3,279	5,921	1,798	1,332	17	28
St. Thomas	1,322	1,863	963	347	10	3
Sarnia	2,584	3,392	1,344	1,223	1	5
Sault Ste. Marie	2,377	5,926	1,574	727	16	1
Stratford	1,699	4,162	1,420	270	9	17
Sudbury	2,516	9,089	1,973	394	148	41
Timmins	6,256	14,940	2,599	3,562	95	13
Toronto, Men	9,747	88,374	6,545	3,149	7	63
Toronto, Women	10,541	33,555	4,736	5,105	2	15
Welland	215	1,010	136	38	5	3
Windsor, Men	1,998	3,920	948	1,026	12	5
Windsor, Women	2,997	4,867	1,637	1,346	—	—
Woodstock	2,561	3,487	1,707	823	28	6
Totals	126,142	315,116	67,221	55,513	1,270	573

PLACEMENTS—Regular	67.221
Casual	55,513
Transfers-Out	573
TOTAL PLACEMENTS	123,307

TABLE 2

ONTARIO EMPLOYMENT OFFICES REPORTING RE HANDICAPPED EX-SERVICE MEN

Fiscal year 1939

		Placements		
Offices	Applications	Regular	Casual	Total
Brantford	86	8	6	14
Hamilton	534	93	28	121
Kingston	159	—	—	—
London	77	5	10	15
Ottawa	875	81	103	184
Peterborough	7	—	—	—
St. Catharines	28	7	3	10
Toronto	3,411	1,115	301	1,416
Windsor	57	20	7	27
Totals	5,234	1,329	458	1,787

LIST OF ONTARIO OFFICES OF THE EMPLOYMENT SERVICE OF CANADA AS ON OCTOBER 1, 1939.

H. C. HUDSON, GENERAL SUPERINTENDENT

Adelaide 1211, Local 591. Residence: Junction 0939.

CITY	ADDRESS	TELEPHONE	SUPERINTENDENT
Belleville	19 Campbell St.	887	W. D. Ross
Brantford	239-241 Colborne St.	361	M. H. MacBride
Chatham	309 King St. W.	236	H. C. Garner
Fort William	300 Victoria St.	S-2561	A. H. Power, Jr.
Guelph	116 Carden St. E.	1599	R. J. Robson
Hamilton (Men)	40-50 John St. North	2-1126	W. A. Selkirk
(Women)	40-50 John St. North	2-6845	W. A. Selkirk
Kenora	Cor. 2nd St. S. & 4th Av.	Red 45	Geo. Ritchie
Kingston	41 Clarence St.	1178	H. F. Mooers
Kitchener	41 Queen St. N.	1612	M. H. Phillips
London (Men)	180 King St.	Metcalf 5296	H. Wray
(Women)	180 King St.	Metcalf 5295	H. Wray
New Toronto	131 Sixth St.	Zone 6-499	H. N. Reid
Niagara Falls	600 Erie Ave.	1221	H. P. Hanan
North Bay	51 Main St. E.	642	H. A. Desjardins
Oshawa	64 King St. W.	547-8	Rae Halliday
Ottawa (Men)	132 Queen St.	2-1739	Geo. Hamilton
(Women)	130 Queen St.	3-3158	Geo. Hamilton
Owen Sound	226 Ninth St. E.	623	A. J. Kreutzweiser
Pembroke	167 Pembroke St. E.	375	P. J. Hennessy
Peterborough	165 King St.	571	W. H. L. Mellis
Port Arthur	193 Park St.	176	A. C. Wood
St. Catharines	146 King St.	1269	L, P. Cunningham
St. Thomas	498 Talbot St.	2001	D. A. McIntyre
Sarnia	217 Front St. N.	1154	A. E. Palmer
Sault Ste. Marie	Courthouse Building	1063	W. E. Hunt
Simcoe	27 Kent St.	818	J. D. Freeman
Stratford	80 Ontario St.	2258	G. H. Langan
Sudbury	24 Dufferin St.	359	A. E. Woods
Timmins	25½ Fourth Ave.	218	D. Murphy
Toronto (Men)	70 Lombard St.	Waverley 4581	J. Fred Marsh
(Women)	77-79 Richmond St. E.	Waverley 4581	J. Fred Marsh
Welland	109 Division St.	664	M. H. Dickie
Windsor	365-369 Pelissier St.	3-1646	A. J. Cooper
Woodstock	12 Finkle St.	197	R. E. Poste

PRIVATE EMPLOYMENT AGENCIES

Three licensed private employment agencies transacted business in the Province of Ontario during the year, according to reports received in this Department. Details of the placements of these agencies are as follows:

	Placements		
	Men	Women	Total
North Bay—Canadian Placement Agency—B. Ferro	334	—	334
Sudbury—Messrs. P. J. and F. W. McAndrew	240	—	240
Toronto—Metropolis Agency, Mrs. O. Morang	175	972	1,147
Totals	749	972	1,721

During the year many applications were received for permission to carry on private fee-charging employment agencies, but these applications were invariably refused because of an Agreement between the Province and the Dominion under the Employment Offices Co-ordination Act. In the month of September 1938 Harry Huckabone of Timmins was sentenced to serve one year in jail for a violation of the Private Employment Agencies Act. The Magistrate, in sentencing Huckabone, condemned the selling of jobs as a "criminal and wicked practice". In Windsor Fritz Lauzon was sentenced for attempting to sell non-existent jobs in a local motor car factory.

FACTORY INSPECTION BRANCH

CHIEF INSPECTOR, DEPARTMENT OF LABOUR—J. R. PRAIN

This is the fifty-third report of the Factory Inspection Branch covering the fiscal year 1939 and outlines the activities of the Composite Inspection Service during that period.

There is an ever-increasing necessity for strict supervision of industrial establishments in our efforts to keep the accident toll at as low a minimum as possible. Modern methods of production with fast-travelling machines and the use of different chemicals make steady vigilance on the part of the inspectors essential.

During this year an important change was made in the regulations governing the annual inspection of uninsured boilers and other pressure vessels in accordance with Section 56 of the Factory, Shop and Office Building Act. The former regulation which, by Order-in-Council, gave authority for this inspection to all engineers throughout the Province who possessed current operating engineers' certificates was cancelled, and replaced by an Order-in-Council giving this authority exclusively to qualified officials of the Boiler Inspection Branch. The fees to be charged for such inspections were also included in the new order, which became effective January 2, 1939, and the revenue from these fees accrues to the Provincial Treasurer. Under the former order, the Government received no revenue from the inspections carried out by the certificated engineers who retained the fees. It is anticipated that the new arrangement will be a success from both a financial and a safety point of view.

As usual many invesigations were made for the enforcement of the Apprenticeship, Industrial Standards and Minimum Wage Acts, and satisfactory adjustments were carried out.

The statistical section of this report gives a clear idea of the work carried out by the field and office forces and it will be noted that these activities have increased considerably when compared with the previous year. There was an increase of 5,180 in the number of inspections and investigations made by members of the staff and more employees were reported in the industries, mercantile establishments and office buildings visited.

Industrial accidents have been considerably reduced in numbers, both fatal and non-fatal. Reports of occupational diseases totalled 31, and in this respect it cannot be too strongly emphasised that these hazards in industry can be overcome only by the use of correct safe practices. Our appreciation is again expressed to the Department of Health for the assistance rendered by the officials of the Industrial Hygiene Division in coping with these diseases.

CAISSON AND COFFER DAM WORK

There has been a very considerable amount of construction work this year on the Blue Water International Bridge at Sarnia, the Thousand Island International Bridge at Ivy Lea, and on numerous smaller bridges throughout the Province, as well as a considerable amount of large sewer work completed in Toronto, Hamilton, London and St. Thomas.

During the year many jobs were visited where excavation work was carried on in connection with dam construction of such a nature as to require timbering and coffer dams. Four fatal accidents occurred on jobs visited as follows:—one at the Henley Course Bridge, St. Catharines, caused by a man falling from the false work; one caused by a land slide at a culvert construction at Ivy Lea; one during the dismantling of the plant after the completion of the Thousand Island Bridge; and the most serious accident during the testing of a water main in Toronto. This accident was fatal to one employee and the superintendent of construction was laid up for many months. During the construction of this large water main it was necessary in two places to use compressed air construction and upwards of 3000 feet of tunnelling through rock was also done. The total length of this water main was about seven miles and no serious accident occurred until the work was all completed and the final test was put on.

Owing to the large amount of temporary work used on big construction projects, the number of accidents is proportionately small in comparison with the number of persons employed. It is gratifying to report that contractors, superintendents and employees are becoming more safety conscious every year and are ready to have all recommendations carried out immediately. On this type of work it is always our practice to have unsafe conditions remedied before leaving a job.

PLANS FOR NEW BUILDINGS

The annual report of the Examiner of Reports and Designs shows that building plans of 379 new factories, shops or office buildings or alterations and additions to these buildings, were submitted to the Department for approval. The total estimated value amounted to $7,838,975.

The number of approved plans increased 29.8 per cent but the value of the projects decreased 20.0 per cent, as compared with the previous fiscal year. The decrease of value closely approximates the 16.3 per cent decrease shown by all Canadian construction activities in 1938.

The increase in the number of plans submitted and approved was due to the Department's new policy of notifing building owners of the requirements of Section 13 of the Factory, Shop and Office Building Act. Many small plant owners expressed their appreciation, as they were not aware that facilities for checking their plans were available.

Monthly reports covering the activities of this office have been supplied to the Chief Inspector since the beginning of the past fiscal year. A systematic means of monthly comparisons was thus provided for the first time in this Department.

The values of all construction projects were classified according to the industries or trades, as shown in the following table;—

CLASSIFICATION BY INDUSTRY OF PLANS APPROVED

Trade or Industry	Number of Plans	Value of Plans $	Percentage of Total Value
Bakeshops	4	67,000	.86
Chemical	31	416,275	5.32
Clay, glass and stone	9	71,500	.92
Conveyances	10	1,468,400	19.45
Food	70	1,113,450	15.25
Garages	20	119,959	1.53
Laundries and cleaners	18	65,275	.84
Leather	2	30,300	.39
Metal	59	1,050,800	4.42
Offices	30	568,375	7.26
Paper trades	7	93,850	1.20
Printing and publishing	5	33,200	.43
Rubber	5	54,400	.70
Shops	26	611,850	7.81
Textiles	23	197,900	2.53
Tobacco	7	194,600	2.48
Warehouses	23	1,149,650	15.65
Wholesale	15	59,800	.76
Woodworking	10	46,800	.60
Unclassified	5	125,600	1.60
Totals	379	$7,838,975	100.00

The conveyances industry, for the second year in succession, spent more than any other industry on plant expansions. For the first time, however, expenditures for aircraft manufacturing exceeded those of the automobile group in this classification.

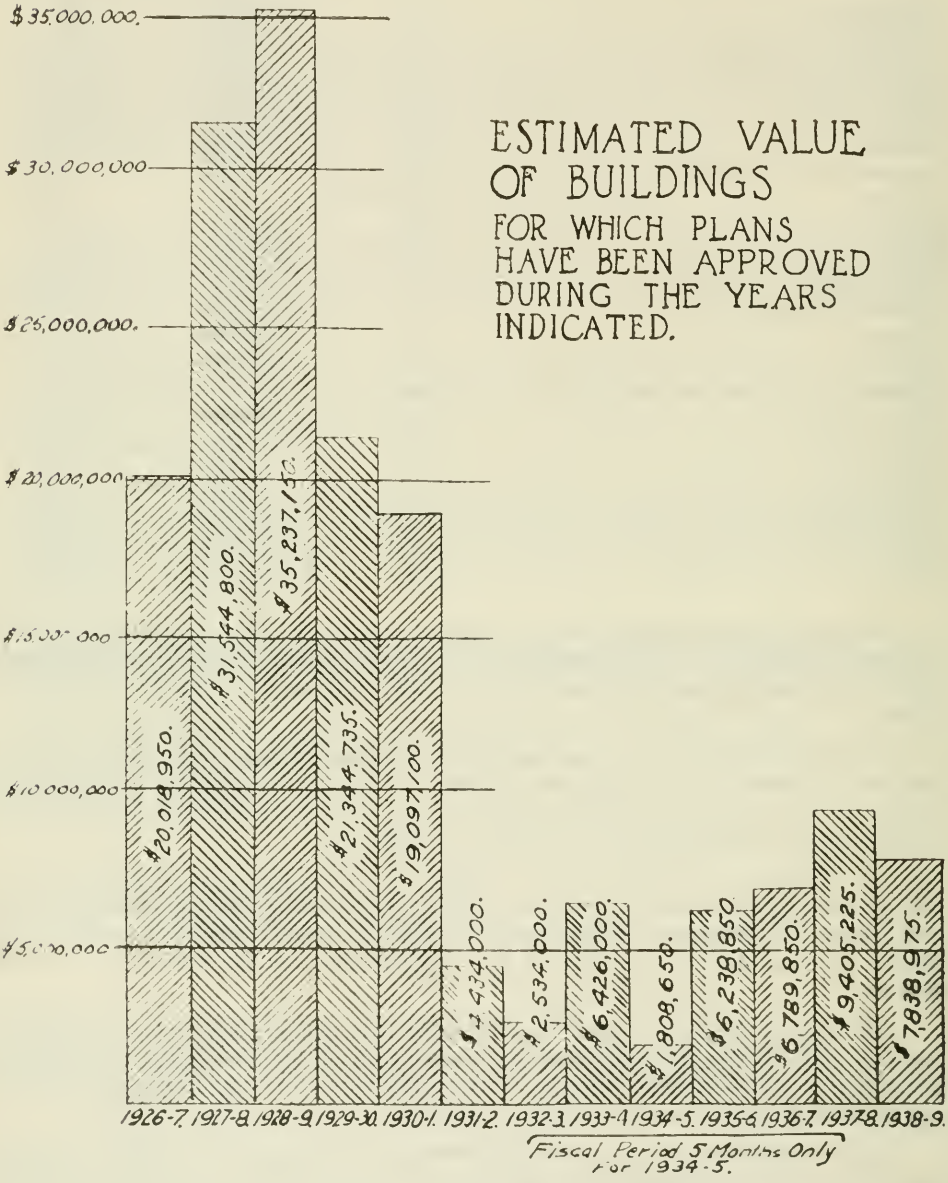
A total of 103 visits to factories, shops and office buildings were made to facilitate the examination of reports and designs. A number of inspections were made outside of Toronto where buildings were reported to be in a dangerous condition and the necessary recommendations were made in each case.

One employee was killed by the collapse of a canning factory which had reopened after a long shut-down without notifying the Factory Inspection Branch. At the inquest, the Examiner of Plans testified that two storeys had been greatly overloaded and the jury's verdict placed full responsibility for the mishap on the employers.

The factory inspectors have been supplied with several data sheets containing technical information gleaned from the examination of building plans, personal observations or bibliographical sources. They have also been kept informed of building projects approved or new companies locating in their respective districts.

The co-operation of all municipal building departments in Ontario is being sought in order to acquaint every employer with the necessity of submitting plans for approval. By incorporating the features required by the Factory, Shop and Office Building Act in new buldings, better working conditions will be provided for the employees and the benefits passed back to the employers in the form of increased production.

The accompaning diagram represents the total annual value of the building projects, the plans of which have been approved during the past thirteen years.


ESTIMATED VALUE OF BUILDINGS
FOR WHICH PLANS HAVE BEEN APPROVED DURING THE YEARS INDICATED.
$35,000,000.
$30,000,000
$25,000,000.
$20,000,000
$15,000,000
$10,000,000
$5,000,000
$20,018,950.
$31,544,800.
$35,237,150.
$21,344,735.
$19,097,100.
$4,434,000.
$2,534,000.
$6,426,000.
$1,808,650.
$6,238,850
$6,789,850.
$9,405,225.
$7,838,975.
1926-7.
1927-8.
1928-9.
1929-30.
1930-1.
1931-2.
1932-3.
1933-4.
1934-5.
1935-6.
1936-7.
1937-8.
1938-9.
Fiscal Period 5 Months Only For 1934-5.

The following is the distribution of the services rendered by the inspectors of the Composite Inspection Branch:

	1938	1939	
Factory Inspection Branch:			
First inspection	13,762	15,359	
Second inspection	2,809	3,444	
Special investigations	103	17	
Visits re homeworkers	1,143	1,746	
Visits re exhibitions	93	271	
Visits re examinations of reports and designs		103	
			20,940
Minimum Wage	2,445	2,613	
Industrial Standards	1,121	1,153	
Apprenticeship	3,116	4,723	
Main Office	809	1,072	
Steam Boiler	1,393	1,455	
Operating Engineers	631	649	
Totals	27,425		32,605

In addition there were investigations of accidents and the usual visits, office calls and conferences incidental to inspection.

Employees in the above industries, merchantile establishments and office buildings numbered 346,456 classified as follows:

Year	Males over 16	Males 14-16	Females over 18	Females 14 to 18	Totals	Children under 14 dismissed
1938	238,360	22	102,339	700	341,421	0
1939	240,608	29	104,876	943	346,456	0

HOURS OF LABOUR

Male Workers					Female Workers				
45	50	54	58	60	45	50	54	58	60
164,948	25,204	20,998	1,216	16,080	77,302	12,153	6,016	662	4,331

Also 17,546 employees, male and female, working approximately 50 hours per week.

Orders issued relating to various requirements of the Act totalled 6,057 as compared with 5,876 in 1938.

PERMITS

Applications for permits numbered 4,088 and were issued as follows.

	Sections of Act		1938	1939
Double shift	31		157	142
Overtime	30		2,088	1,910
Bakeshop	69		46	75
Fruit Camps	36		16	33
Homework	49	workers	1,909	1,746
		employers	166	182
Industrial Standards schedules			188	
Totals			4,570	4,088

COMPLAINTS

One hundred and six complaints were received during the year. Upon investigation 63 were upheld, 31 not upheld, 8 pending investigation and 4 did not come within the jurisdiction of this Branch. Some investigations cover more than one complaint. Subjects of complaints are as follows.

	1938	1939
Long hours	71	35
Inspection of boilers	4	—
Working without overtime permit	12	4
Engineer's certificates	4	—
Ventilation	5	—
Fire exits	11	12
Fumes	7	—
Half hour lunch periods	5	2
Elevators	4	4
Toilet accommodation	14	6
Child labour	4	2
Dust	3	2
Heat	7	3
Sanitation	2	2
Air tank inspection	1	—
Mechanical exhaust	2	1
Guarding machinery	2	1
Sunday work	1	4
Homework without permit	1	1
Lights	1	1
Gasoline hazards	—	5
Miscellaneous	20	21
	181	106

VIOLATIONS

Violations of the Acts in the enforcement of which the inspectors have a responsibility were reported as follows:—

Operating Engineers Act	20
Adolescent School Attendance Act	8
Minimum Wage Act	2,017

The great majority of the violations of the Minimum Wage Act were cases of carelessness on the part of employers in neglecting to keep minimum wage cards posted in their establishments.

EXPLOSIONS

The following explosions which caused injuries to employees were reported during the year:—

July 22, 1938	Kettle exploded
August 30, 1938	Explosion occurred when excessive pressure was used steaming empty bottles.
December 8, 1938	Torch exploded
December 19, 1938	Test tube exploded
December 22, 1938	Crucible exploded
February 12, 1939	Water front exploded
February 24, 1939	Switch box exploded

ACCIDENTS

Two thousand eight hundred and five accidents were reported for the fiscal year 1939, compared with three thousand six hundred and forty six reported in 1938, of which 36 were fatal, as compared with 40 fatalities in 1938.

Fatalities were due to:

Burns and scalds	5
Drowning	2
Electricity	1
Elevators	2
Explosions	1
Falling substances	9
Falls	7
Flying missiles	2
Miscellaneous	1
Saws	1
Shafting, belts, pulleys	1
Shears	1
Other machinery	1
Infected wounds	1
Engines and cars	1
Total	36

FACTORY
Summary of Accidents

Cause of Injury	Head and Face				Upper Extremities								Trunk					
	Face	Head	Eyes	Ears	Hand	Fingers	Thumb	Arm	Shoulder	Wrist	Elbow	Other	Ribs	Thigh	Back	Stomach	Chest	Side
Burns and scalds	4		15		17	7	1	9		2	1	9			1			1
Elevators		2				1	1					1						
Electricity					3	2												
Engines and cars															1			
Explosions: Pressure										1		1						
Explosions: Combustion	1		1															
Falling substances		17			16	35	12	12	2	4		5	1		5	1	3	
Falls	3	14	1		8	7	4	20	13	23	10	31	51	5	30	2	9	14
Flying missiles	19	6	36	1	13	8	3	11	2	6	1	8	4	3	2	2	5	3
Foreign substances in eyes			161															
Hand tools	1	1	3		14	26	15	3		1								
Hooks, chains, cables	1	1			1	1	1	2		1								
Infected wounds		1	3		49	96	20	9		3		1						
Jammed between articles	1				24	115	28	2	1	3	2	1	1					1
Sprains and strains					1	2	4	7	9	21		27	2		84	1	3	32
Machinery and Connections																		
Rolls					2	13	2	3										
Gears, cogs, sprockets						6	1											
Belts, pulleys, shafting					3	8	3	2				1	1					
Saws					3	26	6	2								1		
Planer						4												
Drill					1	5	1					1	1					
Shears					1	5												
Emery wheel					2	8	2											
Press					5	26	8					1					1	
Punch					1	2	2				1							
Dies					1	4	1											
Barker						5												
Calender																	1	
Cutter knives						3	1											
Conveyers																		
Hammers						2	2											
Jointers						1												
Loom		1																
Paper machinery					1	3												
Spinning machinery					1	1												
Winders		1				1												
Grinding wheels						4	2					1						1
Lathes					2		1					1						
Machinery connections					2	13	1			1								
Wiredrawing, etc.						3												
Trucking					1				1			1		1				
Other machinery					4	16	4	2										
Miscellaneous causes	3	7	4		52	106	23	9	5	14	23	19	7	1	1	2	2	5
Industrial diseases					1	1		6				20					1	
Drownings																		
Totals	33	51	224	1	229	566	149	99	33	80	38	129	68	10	124	9	25	57

INSPECTION BRANCH
for the Fiscal Year 1938-39

Trunk			Lower Extremities								Class of Industry													
Hips	Groin	Abdomen	Legs	Foot	Toes	Knee	Ankle	Multiple	FATAL	Totals	Pulp and Paper Trades	Metal Trades	Rubber and Rubber Goods	Textiles	Food	Lumber	Laundries	Chemicals	Conveyances, etc.	Clay, Glass and Stone	Unclassified Trades	Leather Goods	Woodworking	Wearing Apparel
			8	20	1		1	29	5	131	19	63	3	3	7	1	1	5	2	5	21			1
				2	1			6	2	16		4			3			1			7		1	
								4	1	10	2	3			1					1	3			
								1	1	3		2									1			
			1					1		4					2			1			1			
							1		1	4		2						2						
		1	26	149	91	5	5	6	9	405	52	194	17	7	18	7	1	4	13	29	55	2	3	3
8	4		12	22		25	17	58	7	398	59	138	6	21	26	8	1	8	9	40	68	2	2	10
	1	6	9		1	2	7	2	2	163	22	78	1	4	5	13	1	1	6	10	15	4	3	
										161	20	91	8	4	14	2		2	4	1	10		4	1
			4	5	2	3	2			80	19	15	1	4	10	5			1	5	13	1	4	2
			1	3		4				16	7	1		1		2					5			
			5	9	2	3		1	1	203	14	65	4	8	21	11	1	2	5	23	24	4	5	16
			6	10	2	3	3	2		205	31	89	8	4	13	3		3	5	24	21		4	
2	16	7	5	4		13	42	3		285	60	79	22	6	20	4		4	10	26	44	5	1	4
								3		23	9	1	4	4	1					1	3			
										7	2	1		3									1	
								1	1	20	2	4		2	2				2		7	1		
		1		1			1		1	42	5	11	1	1		8			2	2	9		3	
								1		5	1	2				1				1				
			2							11	1	5							2		3			
									1	7	1	5									1			
								1		13	1	10							2					
										41	6	23	2						4		6			
										6		3	2								1			
										6		4								1	1			
										5	5													
										1	1													
								1		5	1	1		1						1		1		
						1	1			2	2													
										4	3	1												
										1											1			
										1				1										
										4	3										1			
										2				2										
										2		1									1			
										8	1	5							1		1			
										4		3								1				
										17	2	4		1	1				1		5	1		2
										3		3												
				3	9					16	2	4	1		1					3	4		1	
				1	1	1		1	1	31	4	12			2		2			3	3	1		4
	1	2	25	37	5	27	6	14	1	401	38	128	17	23	42	7	1	4	19	32	76	1	2	11
								2		31	1	6	1	1	6			1		8	5	1		1
									2	2										1			1	
10	22	17	104	266	115	87	86	137	36	2,805	396	1,061	98	101	195	72	8	38	88	218	416	24	35	55

BOARD OF EXAMINERS OF OPERATING ENGINEERS

CHAIRMAN: F. B. WALKER

MEMBERS: W. J. SCOTT, S. G. ROSE

The thirtieth report of the Operating Engineers' Board deals more extensively with the technical aspect of the Board's function than has probably been considered heretofore.

During this period a comprehensive study has been made of the causes underlying the failure of 33 per cent of all candidates accepted for examination. In certain of the grades this figure is seen to be sufficiently high to warrant attention. For example, 89 per cent of all candidates for First Class examination were not successful and in the Second grade 62 per cent failed to obtain the required percentage. While the analysis is not sufficiently advanced at this time to form definite conclusions, it has already been indicated that lack of adequate practical training and technical education provides the basis of this problem. It is our belief that a plan may be formulated in the near future to provide at least a partial solution.

In the opening months of 1939 the Board made a series of valuable contacts with several executive engineers representing the mining industry. The object of these meetings was to review the provisions of the Operating Engineers Act in the light of the somewhat specialized equipment used in this industry and to determine the adequacy, or otherwise, of the Regulations in meeting the needs of a rapidly growing type of business presenting certain new adaptations of comparable practice in the older sections of the Province. It was found that the anticipatory action taken by the Board some time previously was more than sufficient to meet the new development. The subsequent response of the mining companies in point of co-operation and compliance has been a source of decided satisfaction.

A previous change in the system of annual renewal of certificates was a subject of test this year. The mailing of renewal notices was discontinued and issue of the current certificate was effected upon the basis of the return by the holder of a counterfoil attached to the certificate issued one year earlier. Only a mere fraction of the engineers found the test of memory too great and the change very effectively fulfilled its purpose in reducing operating costs and releasing staff personnel for other duties.

In the fiscal period, 833 cases of infraction were brought under review by the Board. Adjustments in accordance with statutory requirements were effected in 636 instances, with 197 cases in process at the close of the year. That court action was not found necessary throughout this period is a point we feel pleased to record.

The work of completely revising the registration file, with the object of bringing this compilation up to date, progressed steadily. Five hundred and fifty-two were reviewed and certificates of registration issued. As an outgrowth of this survey there has developed a demand for the services of the Board in the solution of technical and engineering difficulties confronting plant owners. We have been pleased to supply this service where such problems are related to operating personnel but find it necessary to limit the field to possibilities in relation to available facilities and time.

The distribution of text books continues to provide a gratifying figure in the sum of $2,257.00. This service is now in its seventh year, with a total sales from inception to date of $14,309.00. The books have found their way to many parts of the world and have been the subject of many commendatory comments.

During this period the Board has compiled several comprehensive papers for use in the examination of boiler inspectors and twenty candidates have written examinations in this section. The pass percentage was obtained in three instances.

It is again our pleasure to acknowledge the assistance rendered by the Composite Inspection Branch in the enforcement of the Operating Engineers Act. Experience has shown the effectiveness of this service and our demands thereon have accordingly been heavier.

REPORT OF REVENUE FOR FISCAL YEAR 1939

Fees Collected For:		**Monies Refunded On:**		
Examinations	$ 7,078.00	Examinations		$ 593.00
Re-examinations	1,485.00	Renewals		56.00
Renewals	15,143.00	Penalty renewal fees		29.00
Provisionals	7.00	Miscellaneous		46.50
Duplicates	19.00	Plant Registration		9.00
Plant registration	549.00	Duplicate certificates		2.00
		Unhonoured cheques		4.03
Revenue By:		Less refund credit		
Certificates	$24,281.00	cheques	$6.00	
Sale of Books	2,257.00	Total Refunded		$ 733.53
Miscellaneous	56.96			
Penalty Renewal fees	1,433.00			

Gross Revenue	$28,028.00
Refunds	733.53
Net Revenue	$27,294.47

REPORT RE CERTIFICATES FOR FISCAL YEAR 1939

Number of certificates issued	17,212
Number of certificates refused	733

Certificates Issued							Certificates Refused
Class	By Examination	By Re-examination	By Provisional	By Duplicate	By Renewals	Total issued	Total Refused
Compressor	39	—		—	92	131	5
Firemen	102	18		2	341	463	38
4th class	635	101		9	[illegible]	5,482	238
3rd class	200	116		4	[illegible]	4,678	254
2nd class	41	29	1	2	2,142	2,215	122
1st class	—	4		—	268	272	34
Hoisting—Internal Combustion	85	3		5	231	324	7
Hoisting—Steam	68	2		—	1,525	1,595	24
Traction	99	4		—	1,027	1,130	11
Duplex	20	—		2	348	370	—
Plant Registration	—	—		—	—	552	—
	1,289	277	1	24	15,069	17,212	733

Grand Total Certificates Issued 17,212

REPORT OF EXAMINATIONS HELD FOR FISCAL YEAR 1939

Number of Candidates Examined at Toronto	901
Number of Candidates Examined at Other Centres	1,314
Total Number of Candidates Examined	2,215

Class	At Toronto	At Other Centres	Total
Compressor	5	16	21
Firemen	54	79	133
4th class	356	601	957
3rd class	258	315	573
2nd class	87	108	195
1st class	22	16	38
Hoisting—Internal Combustion	38	41	79
Steam	51	63	114
Traction	30	75	105
Totals	901	1,314	2,215

Examinations were held at Outside Centres as follows:—

	Number of Examinations	Number of Candidates		Number of Examinations	Number of Candidates
Brantford	2	28	Ottawa	3	142
Belleville	3	34	Owen Sound	2	27
Brockville	3	35	Orillia	1	9
Chatham	3	43	Palmerston	1	9
Cornwall	3	38	Pembroke	2	17
Fort William	1	11	Parry Sound	1	6
Fort Francis	1	8	Peterborough	2	28
Guelph	2	35	Renfrew	1	9
Haileybury	1	17	Sault Ste. Marie	2	26
Huntsville	1	15	Sioux Lookout	1	12
Hamilton	3	79	Sudbury	3	107
Kenora	1	10	Sarnia	2	23
Kirkland Lake	1	30	St. Catharines	2	26
Kingston	3	47	Smith's Falls	2	20
Kitchener	2	47	Stratford	2	21
London	3	108	Timmins	1	33
North Bay	2	26	Windsor	3	115
Niagara Falls	2	25	Other Centres	4	48

Total at Outside Centres	72	1,314
Total at Toronto		901
Total during Fiscal Year		2,215

BOILER INSPECTION BRANCH

CHIEF INSPECTOR, DEPARTMENT OF LABOUR—J. R. PRAIN

EXAMINER OF REPORTS AND DESIGNS—J. N. BRIGGS

In addition to the regular activities of the Boiler Inspection Branch during the fiscal year, extensive work was done on the Boiler Code Committee, deliberating on a national boiler code through the facilities of the Canadian Engineering Standards Association of Ottawa. Progress made so far indicates a successful issue of draft tending to prove adequate for present day conditions and the future. Commencing in June of this period the Canadian Engineering Standards Association also provided for the Department of Labour to have a representative on the committee for the purpose of establishing a mechanical refrigeration code. Like the boiler code it bids fair to become a Canadian national standard, to be adopted and given force of law by the various provinces.

ANNUAL INSPECTION OF UNINSURED BOILERS

An Order-in-Council dated December 30, 1938, definitely widened the scope of the Boiler Inspection Branch, thus assigning additional duties to the staff with the prospect of increased revenue. The annual inspection of uninsured boilers and pressure vessels, formerly undertaken by certificated operating engineers under section 56 of the Factory, Shop and Office Building Act, is now the responsibility of this Branch. To carry out these extra duties and to maintain an efficient inspection service required the appointment of additional inspectors and clerical staff. Inspectors charged with the responsibility of enforcing the Steam Boiler Act and section 56 of the Factory, Shop and Office Building Act are to be located in the following districts—Ottawa, Belleville, Hamilton, London, Windsor, Haileybury, North Bay and Port Arthur.

EXPLOSIONS

At Brantford on May 16, 1938, an investigation was made of a revolving steam drum, 84 inches diameter and 148 inches long, used for carpet drying. The cause of the explosion was attributed to the faulty operation of a reducing valve on the steam line supplying steam to the drum, allowing a much higher pressure than the vessel could safely withstand. The relief valve installed on the low pressure side apparently proved to be inadequate. Fortunately no one was hurt.

An oil storage tank 127 feet six inches in diameter and 51 feet 5 inches high, newly erected on site in an oil refinery at Sarnia, exploded on September 22, 1938, during a test prior to same being placed in service. At the time of the explosion a man conducting the test from the top of the tank was instantly killed. Investigations disclosed no definite cause for the explosion, as it was claimed that the test pressure of air at the top of the tank never exceeded 15 pounds per square inch, for which the vessel was designed. Safety valves installed on the vessel were of ample capacity and functioning satisfactorily during the test. However, the designers and fabricators were of the opinion that excessive structural stresses caused by the weight of water used for testing up to the capacity line resulted in shearing of welds between the top plates and the internal supporting members.

On September 23, 1938, an explosion of a paint spray tank 14 inches diameter 20 inches high badly injured the operator on board the S.S. "P. J. Campbell" docked in Toronto. The vessel was apparently constructed to operate safely under a pressure of 60 pounds per square inch, and was fitted with a relief valve of ample capacity, but unfortunately this valve was found to be plugged solid with dried paint and unworkable. Excess pressure delivered from the compressor caused the bottom head of tank to fail, sending the body of the tank on an upward flight and striking the operator who was standing close by at the time.

A centre section of a hot water heating boiler connected to a closed system failed on October 6, 1938, in a private residence in Willowdale. Investigations disclosed the fact that restricted circulation under forced operating conditions created pockets of steam and exposure of plates to fierce heat. The explosion occurred only when the blower system was switched off and all ebullition ceased. The return of water to the heated surfaces caused immediate rupture. Unfortunately a small child standing in front of the firedoor at the time of the explosion received bad injuries.

In Hamilton a second-hand tank was purchased for the purpose of using it as an air receiver. Prior to it being installed the owners were advised that the vessel was suitable to operate with the safety valve at 150 pounds. On November 14, 1938, when the vessel was operated for the first time, the bottom head failed causing the tank to crash through the floor above. Had the vessel been properly inspected before by an official of the Boiler Inspection Branch, it would have been condemned for use as a pressure vessel. No one was hurt at this time.

A heating boiler located in a service station in Toronto exploded with considerable force in the early hours of the morning, November 19, 1938, causing extensive property damage. While no definite cause of the explosion was established, it is possible to attribute the explosion to an accumulation of coal gas in the pit where boiler was located. The ignition of the gas would take place when the banked fire had burnt through.

TABULAR SUMMARY OF WORK

Drawings and Specifications Surveyed, Registered and Re-Registered:

	Designs
Boilers	62
Pressure vessels	213
Accessories	22
Steam piping layouts	21
Special rulings—Boilers	1
Pressure vessels	15
Total	334

New Pressure Vessels Inspected:

First inspections	801
Second inspections	543
Final inspections	787
Total	2,131

Used Pressure Vessels Inspected:

Boilers	508
Boilers condemned	7
Pressure vessels	305
Steam piping layouts	1
Annual inspections (Steam Boiler Act)	
Boilers	214
Pressure vessels	61
	1,096
Final inspections	256
Total	1,352

Annual Inspections (under Factory, Shop and Office Building Act:)

Boilers	60
Pressure vessels	56
Total	116

Certificates Issued:

Class A New pressure vessels	623	
Class B Used pressure vessels	990	
Class C Heating boilers, low pressure	286	
Class D New pressure vessels, accepted by affidavit	798	
Class E New boilers under 3 H.P.	48	
Duplicate	33	
		2,778
Annual inspection certificates (under Factory, Shop and Office Building Act)		80
Total		2,858

REVENUE STATEMENT

Fees for—			
Designs registered	$ 2,466.50	Amount of monies transmitted to Treasury Department	$18,407.80
New pressure vessels	4,005.00		
Used pressure vessels	5,465.00		
Heating boilers (accepted on affidavit)	286.00		
Pressure vessels (accepted on affidavit)	798.00		
Boilers under 3 H.P. (accepted on affidavit)	48.00		
Duplicate certificates	15.00		
Interprovincial Regulations	7.50		
Transfer seals	513.75		
Annual inspections of uninsured boilers and pressure vessels under the Factory, Shop and Office Building Act	329.50		
Travelling expenses	4,273.95		
Total	$18,208.20		
Fees and expenses cancelled	54.75		
	$18,153.45		
Bank exchange	.85		
Balance at beginning of fiscal year 1939	574.75	Balance at end of fiscal year 1939	321.25
Total	$18,729.05	Total	$18,729.05

CONCILIATION AND NEGOTIATION

CHIEF CONCILIATION OFFICER: LOUIS FINE

Considerable progress was made during the fiscal year 1939 in the promotion of harmonious relations between employers and employees in Ontario through the conciliation service of the Department of Labour. This improvement was reflected in the reduction in time-loss due to strikes in the Province to less than one-third that of the previous year. In 1938 the total number of man-working-days lost was 294,906 and in 1939 it was 86,997, or a decrease of 207,909 days lost. This saving of time-loss, amounting to 207,909 days, is the equivalent of a full year's work for approximately 700 men.

The Chief Conciliation officer or other officials of the Department of Labour assisted in negotiations in connection with the settlement of strikes which involved approximately 86 per cent of the total number of workers out on strike in the Province. Through this conciliation method in the settlement of strikes, the terms of agreement usually prove more satisfactory to both parties, and thus there is less likelihood of strike recurrence.

MEDIATION

In addition to the assistance rendered in the settlement of strikes, the conciliation service of this Department was utilized in connection with the adjustment of many disputes in which there were threats of strikes. In several instances both parties to the dispute petitioned the Department for this service and the result in practically all cases was the drawing up of memoranda of agreement satisfactory to both sides and covering periods of one or two years or longer. In this manner many strikes were averted and the causes of possible future strikes removed.

The following cases will serve to indicate the value of this service;—

TEXTILE AND CLOTHING INDUSTRY:

The Department of Labour was advised by both the employers and employees in the ladies' clothing industry that negotiations between the parties for renewal of agreement had reached a deadlock, and that, if new arrangements were not made, a strike would be called, which would involve approximately 1,800 employees. The parties met in conference under the auspices of this Department and as a result an agreement was arrived at covering a two-year period.

A dispute arose between the parties to an agreement in the textile industry as to the division of work and layoffs during a slack period. The Conciliation Officer was able to have the parties come to an understanding in the matter, thus averting a possible strike.

MISCELLANEOUS WOOD PRODUCTS:

After several meetings between the employers and employees of four large lumber firms, resulting in the employees threatening to strike, an officer of this Department was requested to act as mediator. A collective bargaining agreement was entered into by all four employers and their employees covering a period of one year. Approximately 300 employees were affected.

A dispute arose between the employer and employees in a barrel manufacturing firm, and on failing to arrive at a settlement, an official of this Department met both parties. A satisfactory agreement was drawn up covering an indefinite period and affecting approximately 100 employees.

At the conclusion of an existing agreement between employers and employees in the match industry, the terms of renewal could not be agreed upon. The Department of Labour was petitioned by both parties, and an agreement was arrived at, covering a period of one year. A strike which would have affected approximately 240 employees was thus averted.

After several attempts by the employees of a box manufacturing company to come to some understanding with the employer, this Department was petitioned to act as mediator. The result was a signed agreement for a period of one year and affecting approximately 70 employees.

GLASS INDUSTRY:

When the employers and employees of five large firms failed to reach a settlement after several weeks of negotiating, the employees petitioned this Department to act as mediator. A satisfactory agreement was drawn up covering approximately 200 employees.

METAL PRODUCTS:

After the discharge of an employee and several unsuccessful attempts to make an arrangement satisfactory to both parties, the Department of Labour was petitioned by the union to act as mediator. The result was the reinstatement of the employee and an agreement for the period of one year.

FOOD:

The employers and employees in the bakery industry had negotiated for some time in an effort to reach an agreement. The parties requested a conciliation officer to assist them in coming to an understanding, and under his auspices an agreement was arrived at without recourse to strike.

The employees of dairies in a municipality attempted on several occasions to arrive at a satisfactory arrangement with their employers, and on failing to do so, threatened to strike. An officer of this Department was notified and, acting as mediator, he brought about an agreement for a period of one year.

TRANSPORT:

A dispute between the union and the employers of a large transport organization was settled by a mediator, thus making possible the continuation of work without a strike.

ARBITRATION

During the fiscal year 1939 the Department of Labour was able to dispose of many problems affecting numerous industries by arbitration. A conciliation officer acted as arbitrator, usually at the request of both parties concerned, and in all cases the decision of the arbitrator was accepted by both parties. These cases of arbitration affected approximately 7,500 employees in such industries as automobile, glass, clothing storage and refrigeration.

INDUSTRY AND LABOUR BOARD

E. J. YOUNG: CHAIRMAN

MISS MARY F. MANGAN; VICE-CHAIRMAN: J. C. ADAMS; SECRETARY.

The Industry and Labour Board administers the Industrial Standards Act, the Apprenticeship Act and the Minimum Wage Act, and any other Act that may be assigned to it by the Lieutenant-Governor in Council.

THE INDUSTRIAL STANDARDS ACT: Under the Industrial Standards Act fifty-four official conferences were held during the year. Thirty-seven of these conferences submitted schedules for approval. Thirty schedules were approved and seven were under consideration at the close of the fiscal year. Seventeen conferences did not submit schedules. At the end of the year there were eighty-five schedules in effect as follows;—52 in the barbering industry; 6 in carpentry; 2 in bricklaying; 2 in plastering; 2 in electrical work; 2 in painting; 2 for common labourers; 3 for plumbers; 4 in the logging industry and one each in coal; coal hoisting; jewellery; taxicab; soft furniture; baking; ladies' cloak and suit; men's and boys' clothing; brewing and hard furniture.

ARREARS OF WAGES

During the year the sum of $4,793.28 was collected through the Trust Account as arrears of wages on behalf of 272 employees from 100 employers, and the sum of $298.87 was paid direct to fourteen employees by nine employers after investigation by the Industrial Standards Branch. The total of $5,092.15 arrears was $672.32 more than the total in the previous fiscal year. Of this total, the sum of $438.21 was paid to the Provincial Treasury and the sum of $270 was being held for further enquiry.

PROSECUTIONS

There were 198 prosecutions under the Act resulting in 157 convictions, with fines amounting to $1,440.

SCHEDULES IN EFFECT AT THE END OF THE FISCAL YEAR 1939.

Trades and Industries	Number of Schedules	Zones
Barbering	52	Arnprior; Barrie; Belleville; Brantford; Bracebridge, Gravenhurst and Huntsville; Brockville; Chatham; Cobourg; Cornwall; Collingwood; Essex County; Fergus and Elora; Fort Frances: Galt, Hespeler and Preston; Guelph; Hamilton; Kingston; Kitchener-Waterloo; Lindsay; London; Midland, Penetanguishene, Port McNicoll and Victoria Harbour; Niagara Falls; North Bay; Orillia; Oshawa; Ottawa; Owen Sound; Pembroke; Peterborough; Perth and Carleton Place; Petrolia and Forest; Port Arthur and Fort William; Port Colborne and Humberstone; Port Hope; Prescott, Cardinal, Morrisburg and Iroquois; St., Catharines, Port Dalhousie, Merritton and Thorold; St. Marys; St. Thomas; Sarnia; Sault Ste. Marie; Simcoe; Smith's Falls; Stratford; Sudbury and Copper Cliff; Teck Township; Timmins, Schumacher and South Porcupine; Toronto; Trenton; Welland; Windsor; Woodstock.
Carpentry	6	Brantford; Kirkland-Larder Lake; Ottawa; Sault Ste. Marie; Timmins; Windsor.
Bricklaying	2	Ottawa; Windsor.
Plastering	2	Ottawa, Toronto.
Electricians	2	Ottawa; Windsor.
Painting	2	Kingston; Toronto.
Common Labourers	2	Ottawa; Windsor.
Plumbing, Heating	3	Ottawa; St. Thomas; Teck Township.
Logging	4	Massey; Port Arthur Forestry Division; Rainy River; Timmins.
Coal	1	Toronto.
Coal Hoisting	1	Toronto.
Jewellery	1	Toronto.
Taxicab	1	Toronto.
Soft Furniture	1	Toronto.
Baking	1	Ottawa.
Ladies' Cloak and Suit	1	Province of Ontario.
Men's and Boys' Clothing	1	Province of Ontario.
Brewing	1	Province of Ontario.
Hard Furniture	1	Province of Ontario.

APPRENTICESHIP BRANCH

FRED J. HAWES; DIRECTOR

At the close of the fiscal year 1939 there were more apprentices registered under the Apprenticeship Act than ever before.

Construction was still one of the depressed industries and it was difficult to place youths as apprentices in the building trades. The necessity for training youths in these trades is advocated by leaders in the construction industry, but contractors as a whole find it difficult to adjust their business in such manner as to enable them to employ young men as apprentices and provide them with opportunities to learn the trades thoroughly.

The motor vehicle repair trade showed an increase in registration. During the year efforts were made to establish evening classes in vocational schools wherever possible and to have all apprentices attend such classes. Examinations for apprentices and for those making application for certificates of qualification were held in a number of centres throughout the Province.

A large increase was shown in the number of apprentices in the hairdressing trade. Evening classes for apprentices in this trade were held in Toronto at the Danforth Technical School. These classes were well attended and proved of considerable assistance to apprentices anxious to become more proficient in their trade. Efforts were being made to have classes of instruction in hairdressing and related activities included in the subjects taught in evening classes in technical schools.

The control of schools licensed to teach hairdressing and the examination of students and apprentices was a major activity of the Apprenticeship Branch during the year. After considerable thought and effort devoted to improving the examinations and methods of conducting them, we are now able to report them fair and equitable. Many undesirable practices that were common in hairdressing schools have been eliminated and girls registering at such schools today may obtain better tuition than ever before and they are protected from exploitation. The standard of teaching has improved and students presenting themselves for examination are passing the tests in increasing numbers.

In accordance with the regulations that make it illegal to accept fees for teaching hairdressing in places other than licensed schools, several shop owners were required to refund sums of money wrongfully charged for this purpose. A total of $341.82 was collected and refunded through this Branch.

Difficulty was experienced in placing apprentices in the barbering trade, as employers were reluctant to enter into contracts of apprenticeship which require them to guarantee the apprentice a minimum hourly rate of pay. Students from barber schools obtain employment in shops on a commission basis, the employer not guaranteeing any set wage scale and not obliging himself to teach inexperienced operators.

The following tables give a complete summary of statistical information regarding the work of the Branch for the fiscal year 1939.

Table No. 1
REGISTRATION OF APPRENTICES BY TRADES FOR THE FISCAL YEAR ENDING MARCH 31, 1939.

Trade	Registrations		Cancellations		Completions		Active
	During Year	Total	During Year	Total	During Year	Total	
Bricklaying	3	215	1	32	2	167	16
Masonry	—	14	—	5	—	7	2
Carpentry	17	. 255	2	34	2	170	51
Painting and Decorating	8	154	3	19	8	84	51
Plastering	1	127	—	19	1	100	8
Plumbing	28	642	12	159	16	376	107
Steamfitting	9	183	4	60	1	98	25
Sheet Metal Work	7	203	1	46	1	127	30
Electrical Work	33	364	6	78	12	195	91
Motor Vehicle Repair'g (a)	159	553	27	42	26	38	473
(b)	17	57	4	5	2	2	50
(c)	13	57	1	1	1	4	52
Hairdressing	259	503	28	47	23	27	429
Barbering	32	40	2	2	2	2	36
Total, 1939	586	3,367	91	549	97	1,397	1,421
Total, 1938	665	2,781	63	458	97	1.300	1,023

TABLE No. 2
DISTRIBUTION OF APPRENTICES BY TRADES FOR FISCAL YEAR ENDING MARCH 31, 1939

Trade	First Year	Second Year	Year Third	Fourth Year	Fifth Year	Total
Bricklaying	1	7	5	3	—	16
Masonry	—	—	1	1	—	2
Carpentry	7	14	14	16	—	51
Painting and Decorating	6	8	17	20	—	51
Plastering	—	5	2	1	—	8
Plumbing	13	20	13	24	37	107
Steamfitting	4	6	4	4	7	25
Sheet Metal Work	2	8	9	11	—	30
Electrical Work	9	23	26	33	—	91
Motor Vehicle Repairing	19	99	153	158	146	575
Hairdressing	61	120	248	—	—	429
Barbering	5	22	9	—	—	36
Total	127	332	501	271	190	1,421

TABLE No. 3

REPORT OF EXAMINATIONS FOR THE FISCAL YEAR ENDING MARCH 31, 1939

Number of candidates examined:	At Toronto	At Other Centres	Totals
Motor Vehicle Repair Trade	129	387	516
Hairdressing	259	68	327
Barbering	65	8	73
Grand Totals	453	463	916

Examinations were held in Toronto and at the various centres in accordance with arrangements made through local apprenticeship committees as follows:

	Centres	Number of Examinations	Number of Candidates
Motor Vehicle Repair	Barrie	1	4
	Belleville	2	12
	Brantford	2	18
	Brockville	1	9
	Chatham	2	13
	Cobourg	1	3
	Cornwall	2	13
	Galt	1	1
	Guelph	2	8
	Hamilton	3	23
	Huntsville	1	6
	Ingersoll	1	2
	Kingston	2	14
	Kitchener	2	15
	Lindsay	2	5
	London	2	17
	Oshawa	3	16
	Ottawa	5	68
	Owen Sound	1	6
	Peterboro	2	10
	St. Catharines	1	3
	St. Thomas	3	26
	Sarnia	2	15
	Seaforth	1	5
	Smiths Falls	1	15
	Stratford	2	7
	Toronto	20	129
	Welland	3	39
	Windsor	2	14
Totals		73	516
Hairdressing	Toronto	16	259
	Hamilton	4	44
	London	1	5
	Ottawa	1	13
	Windsor	1	6
Totals		23	327

TABLE No. 3 (Continued)

Barbering	Toronto	5	65
	Ottawa	1	8
Totals		6	73
Grand Totals		102	916

TABLE No. 4

REPORT OF CERTIFICATES ISSUED FOR THE FISCAL YEAR ENDING MARCH 31, 1939

	Motor Vehicle Repair	Barbering	Hairdressing	Totals
First Certificate	517	951	997	2,465
By Examination	420	12	78	510
By duplicate	9	2	3	14
By renewal	6,236	2,530	2,535	11,301
By miscellaneous	44	7	14	65
Totals	7,226	3,502	3,627	14,355

TABLE No. 5

REPORT OF TRADE SCHOOLS FOR THE FISCAL YEAR ENDING MARCH 31, 1939

	Licenses Renewed	New Licenses	First License and Renewal (x)	Licenses Lapsed	Schools Operating March 31, 1939
Hairdressing	13	9	5	5	22
Barbering	4	1		1	4

(x) Some schools obtained both their first license and renewal license during the fiscal year.

TABLE No. 6

REPORT OF REVENUE FOR THE FISCAL YEAR ENDING MARCH 31, 1939

	Motor Vehicle Repair	Barbering		Hairdressing	Totals
Examinations and re-examinations	$ 468.00	$ 146.00		$ 654.00	$ 1,268.00
Certificates	8,167.00	4,370.00		4,478.00	17,015.00
School licenses		25.00	170.00	160.00	185.00
Less refunds			10.00		
Miscellaneous					15.91
Totals	$8,635.00	$4,541.00		$5,292.00	$18,483.91

MINIMUM WAGE BRANCH

A. W. CRAWFORD—CHIEF ENFORCEMENT OFFICER

Activities under the Minimum Wage Act during the past fiscal year continued as formerly, there being no changes in the legislation, orders of the Board, or staff.

The orders made by the former Minimum Wage Board, fixing minimum wages for female employees only, have remained in force, together with Special Order No. 1 of the Industry and Labour Board, which applies to both male and female employees in primary textile mills.

PAYROLL RETURNS

A special feature of the work of the Minimum Wage Branch during the past year was the collection, for the first time, of wage returns for male as well as female employees. It was impossible to collect wage sheets from every employer but returns were received from 15,059 firms reporting a total of 358,068 employees: 232,629 men, 18,628 boys, 102,819 women, and 3,992 girls. These figures do not include the returns received from over 200 primary textile mills which are subject to the provisions of the Special Order No. 1, nor from firms which are subject to the provisions of wage schedules under the Industrial Standards Act.

The returns were grouped under thirty-five classifications and the appended tables show the distribution of employees by sex and wage groups for each classification of employers in different population zones of the Province. Male employees are divided into adults and boys under 21 years of age. Similarly, females are separated into adults and girls under 18 years. The weekly hours of work indicated in the tables are the averages of the normal weekly work periods as reported. The wage rates have been reduced to cents per hour where most of the employees worked as pieceworkers or timeworkers, and to dollars per week where the majority were paid at a weekly rate or were on salary.

The tables facilitate comparison of the earnings of men, boys, women and girls in different industries and occupational groups in different population zones. Wage distributions are given between the limits of $7 per week, or 15 cents per hour, and $30 per week, or 62 cents per hour. Six dollars per week is the lowest wage that may be paid to a totally inexperienced young girl in a small village or rural district, but any girl, receiving less than $8 per week for the first six months of her employment in any municipality of more than 5,000 population, would be underpaid. It was deemed inadvisable to extend the wage distribution scale beyond $30 per week because this is well above any minimum wage which is likely to be established under the Act.

ADJUSTMENTS IN WAGES

Analysis of the wage returns revealed the underpayment of a considerable number of female employees, most of whom were new employees with and without previous experience or employment in the same or a similar type of work. Where these violations were of a minor nature and were due to ignorance of the law, the employer was instructed to make an immediate adjustment and report the action taken. During the past year 884 employers made such adjustments in connection with the wages of 1,446 female employees. Arrears were not collected in these cases.

COMPLAINTS

The number of complaints received from underpaid employees continued to decrease. This was due to fear of retaliation by the employer, in the form of dismissal. Jobs are scarce and many employees are impelled to accept and continue employment at very low wages. Complaints are usually lodged after the employees have been dismissed or laid off. The complaint is then made, not for revenge, but to mitigate or offset the hardships and privations of unemployment by collecting arrears of wages. The total number of recorded complaints received from all sources was 462.

Not all complaints are justified and many of the accusations made by anonymous complainants are hearsay or unwarranted suspicions. Nevertheless every complaint is investigated and, except where conflicting evidence is submitted and the complainant is the employee who wants arrears collected, the source of information is not revealed.

ARREARS OF WAGES COLLECTED

Arrears are collected for each employee who lodges a complaint unless the underpayment is small and a satisfactory adjustment can be made without endangering the job of the employee.

When wage returns indicate low piecework rates or underpayment of experienced timeworkers an investigation is made and if underpayment is found arrears are collected for each underpaid female employee for a maximum period of one year. Consequently many employees receive arrears of wages who are unaware of the Board's activities until the cheque is received.

The special investigators of the Minimum Wage Branch and the departmental inspectors also check payrolls during their regular inspection visits and frequently report underpayments which result in the collection of arrears.

During the past year arrears were collected from 309 employers for 453 employees, the total amount paid being $13,544.98.

PROSECUTIONS

The Board has adhered to the policy of prosecuting only when repeated violations make it apparent that an employer is deliberately evading the requirements of the law or when the offence is too serious to be dealt with in any other way. Co-operation on the part of all concerned in establishing adequate minimum wages and proper working conditions is the objective and it is believed that such cooperation can be developed only by constant educational activities and periodic inspection of payrolls and records.

Some employers and a few employees resent such activities as interference with their personal affairs but the great majority willingly co-operate, realizing that the law operates to the advantage of all when administered impartially.

The following table indicates the nature and disposition of the 28 cases in which it became necessary to lay information against employers for various infractions of the law:

SUMMARY OF COURT CASES

FROM APRIL 1, 1938, TO MARCH 31, 1939

Nature of Charges Laid

5—Violation Order 6
2—Violation Order 25
12—Violation Order 27
1—Violation Order 17
1—Violation Order 42
2—Violation Order 35
3—Lack of Records
1—False Information
1—Refusal to submit wage sheet
—
28

Disposition of Charges

9—Convictions
12—withdrawn (arrears paid)
2—dismissed
2—adjourned sine die
2—summons not served
1—not disposed of at end of fiscal year.
—
28

Number of Charges Laid	28
Number of Employers	22
Number of Employees Affected	35
Amount of Arrears Paid	$862.55
Amount of Fines Collected	$195.00

PERMITS

Permits authorizing rates lower than those fixed by the orders of the Board may be issued for handicapped workers and learners who require special learning periods involving instruction in skilled or complicated operations. During the year permits were issued for 258 employees in 79 different establishments; 139 were for handicapped workers, and 119 for learners, nearly all of the latter group being employed in the textile industry. Permits cover periods of from one month to one year and are subject to renewal. Permits issued on account of age or permanent physical disability are renewed annually on application but others are renewed only after investigation. No permit is issued or renewed without a written application signed by both the employer and employee.

PERMITS

	Total Number Employers	Total Number Employees	Handicapped		Learners	
			Male	Female	Male	Female
Permits in force at beginning of fiscal year	62	106	—	104	—	2
Permits issued during fiscal year	79	258	84	55	57	62
Permits cancelled during fiscal year	25	105	7	21	26	51
Permits in force at end of fiscal year	116	259	77	138	31	13

HOMEWORK

Under the provisions of the Factory, Shop and Office Building Act, Section 49, no work on personal and household articles may be done in homes until both the employer and homeworker have received a permit from the office of the Chief Inspector. Such permits are not issued until the Board has approved the piecework rates to be paid. Rates were approved during the year for 47 employers who had not previously employed homeworkers and existing rates were confirmed or amended for 148 employers covering over 100 different types of work.

HOMEWORK PERMITS FOR EMPLOYERS

APRIL 1, 1938, TO MARCH 31, 1939

Permits in force at beginning of fiscal year	148
Permits issued during fiscal year	47
Permits expired or cancelled during fiscal year	30
Permits in force at end of fiscal year	165

SAWMILLS, PLANING MILLS, LUMBER YARDS

In the City of Toronto

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	—	1
15c-19c	—	4	—	—	4
19c-21c	4	2	—	—	6
21c-25c	3	6	—	—	9
25c-27c	8	7	1	—	16
27c-31c	37	3	2	—	42
31c-33c	8	1	3	1	13
33c-35c	19	—	4	—	23
35c-42c	43	—	8	—	51
42c-52c	120	1	4	—	125
52c-62c	81	—	2	—	83
62c-up	95	—	3	—	98
2. Total number of employees	418	25	27	1	471

3. Number of firms reporting employees	11
out of business	—
no help	—
Total number of firms submitting reports	11

4. Average hours regularly worked per week Male: 47.1
Female: 43.1

In other cities over 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	—	1
15c-19c	1	2	—	—	3
19c-21c	4	—	—	—	4
21c-25c	5	—	—	—	5
25c-27c	7	—	—	—	7
27c-31c	20	—	1	—	21
31c-33c	5	—	2	—	7
33c-35c	4	—	—	—	4
35c-42c	18	—	3	—	21
42c-52c	32	—	2	—	34
52c-62c	28	—	1	—	29
62c—up	35	—	2	—	37
2. Total number of employees	159	3	11	—	173

3. Number of firms reporting employees	8
out of business	—
no help	—
Total number of firms submitting reports	8

4. Average hours regularly worked per week Male: 47.
Female: 45.5

SAWMILLS, PLANING MILLS, LUMBER YARDS

In places of 5,000 to 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	3	14	—	—	17
19c-21c	12	17	1	—	30
21c-25c	9	3	3	—	15
25c-27c	52	5	5	—	62
27c-31c	105	3	11	—	119
31c-33c	37	—	14	—	51
33c-35c	23	—	3	—	26
35c-42c	238	2	6	—	246
42c-52c	247	—	4	—	251
52c-62c	105	—	4	—	109
62c-up	150	—	1	—	151
2. Total number of employees	981	44	52	—	1,077

3. Number of firms reporting employees 30
out of business 1
no help .... —

Total number of firms submitting reports 31

4. Average hours regularly worked per week .... Male: 48.9
Female: 43.8

In places under 5,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	—	—	—	1
15c-19c	4	12	1	—	17
19c-21c	3	9	3	—	15
21c-25c	21	4	1	—	28
25c-27c	25	3	1	—	29
27c-31c	39	12	3	—	54
31c-33c	41	1	7	—	49
33c-35c	26	—	8	—	34
35c-42c	141	3	4	—	148
42c-52c	156	—	4	—	160
52c-62c	141	—	—	—	141
62c-up	76	—	1	—	77
2. Total number of employees	674	44	33	—	751

3. Number of firms reporting employees 29
out of business 1
no help .... —

Total number of firms submitting reports 30

4. Average hours regularly worked per week .... Male: 52.1
Female: 45.8

AUTOMOBILES AND ACCESSORIES

In the City of Toronto

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	2	—	—	4
15c-19c	7	9	1	—	17
19c-21c	11	21	—	—	32
21c-25c	29	15	3	—	47
25c-27c	29	15	10	—	54
27c-31c	52	11	31	3	97
31c-33c	44	7	39	—	90
33c-35c	37	2	30	—	69
35c-42c	107	3	25	—	135
42c-52c	254	3	28	—	285
52c-62c	546	—	23	—	569
62c-up	585	—	5	—	590
2. Total number of employees	1,703	88	195	3	1,989

3. Number of firms reporting employees	57
out of business	2
no help	1
Total number of firms submitting reports	60

4. Average hours regularly worked per week Male: 50.4
Female: 45.6

In other cities over 50,000

Returns for June 1938

1. Hourly rate of wages.	Men	Boys	Women	Girls	Total
Under 15c	2	3	—	—	5
15c-19c	5	7	—	—	12
19c-21c	5	6	—	—	11
21c-25c	16	4	8	2	30
25c-27c	23	15	5	—	43
27c-31c	58	21	15	—	94
31c-33c	16	2	96	3	117
33c-35c	16	6	80	—	102
35c-42c	451	28	194	—	673
42c-52c	933	12	156	—	1,101
52c-62c	4,721	11	78	—	4,810
62c-up	6,700	1	33	—	6,734
2. Total number of employees	12,946	116	665	5	13,732

3. Number of firms reporting employees	56
out of business	—
no help	2
Total number of firms submitting reports	58

4. Average hours regularly worked per week Male: 47.
Female: 44.2

AUTOMOBILES AND ACCESSORIES

In places of 5,000 to 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	8	—	—	8
15c-19c	5	12	1	—	18
19c-21c	9	28	6	1	44
21c-25c	14	13	17	—	44
25c-27c	23	109	14	—	146
27c-31c	79	71	41	2	193
31c-33c	39	19	87	1	146
33c-35c	28	12	214	—	254
35c-42c	456	170	84	—	710
42c-52c	1,173	132	169	—	1,474
52c-62c	2,794	19	91	—	2,904
62c-up	2,610	—	10	—	2,620
2. Total number of employees	7,230	593	734	4	8,561

3. Number of firms reporting employees 54
out of business .... —
no help 1

Total number of firms submitting reports 55

4. Average hours regularly worked per week .... Male: 52.2
Female: 45.7

In places under 5,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	1	1	1	—	3
19c-21c	9	13	—	—	22
21c-25c	3	1	2	—	6
25c-27c	10	2	7	—	19
27c-31c	25	11	3	—	39
31c-33c	3	—	17	—	20
33c-35c	1	—	15	—	16
35c-42c	59	2	2	—	63
42c-52c	89	6	8	—	103
52c-62c	116	—	1	—	117
62c-up	137	—	—	—	137
2. Total number of employees	453	36	56	—	545

3. Number of firms reporting employees 13
out of business 2
no help .... —

Total number of firms submitting reports 15

4. Average hours regularly worked per week .... Male: 53.6
Female: 46.6

BREWERS

In the City of Toronto

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	1	—	—	—	1
19c-21c	3	—	—	—	3
21c-25c	9	—	—	—	9
25c-27c	2	—	—	—	2
27c-31c	11	—	9	—	20
31c-35c	3	—	2	—	5
33c-35c	16	—	28	—	44
35c-42c	22	1	28	—	51
42c-52c	195	—	18	—	213
52c-62c	388	—	7	—	395
62c-up	402	—	6	—	408
2. Total number of employees	1,052	1	98	—	1,151

3. Number of firms reporting employees 50
out of business 1
no help 1

Total number of firms submitting reports 52

4. Average hours regularly worked per week Male: 43.7
Female: 42.2

In other cities over 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	—	—	—
21c-25c	1	—	1	—	2
25c-27c	2	1	—	—	3
27c-31c	5	4	2	—	11
31c-33c	9	1	43	—	53
33c-35c	7	—	66	—	73
35c-42c	44	4	52	—	100
42c-52c	230	1	84	—	315
52c-62c	463	—	21	—	484
62c-up	456	—	16	—	472
2. Total number of employees	1,217	11	285	—	1,513

3. Number of firms reporting employees 28
out of business 2
no help —

Total number of firms submitting reports 30

4. Average hours regularly worked per week Male: 45.1
Female: 44.7

BREWERS

In places of 5,000 to 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	—	—	2
15c-19c	—	—	—	—	—
19c-21c	—	1	—	—	1
21c-25c	3	1	10	—	14
25c-27c	5	—	57	11	73
27c-31c	17	1	10	—	28
31c-33c	13	2	6	—	21
33c-35c	38	6	4	—	48
35c-42c	116	6	13	—	135
42c-52c	311	1	4	—	316
52c-62c	202	1	3	—	206
62c-up	172	—	3	—	175
2. Total number of employees	877	21	110	11	1,019

3. Number of firms reporting employees 58
out of business .... —
no help .... —

Total number of firms submitting reports 58

4. Average hours regularly worked per week ....Male 52.1
Female: 46.9

In places under 5,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	1	—	—	—	1
19c-21c	—	—	3	—	3
21c-25c	1	—	2	—	3
25c-27c	1	—	3	—	4
27c-31c	13	—	3	—	16
31c-33c	1	—	19	1	21
33c-35c	5	—	—	—	5
35c-42c	28	—	1	—	29
42c-52c	97	—	3	—	100
52c-62c	28	—	—	—	28
62c-up	32	—	—	—	32
2. Total number of employees	207	—	34	1	242

3. Number of firms reporting employees 30
out of business 1
no help .... —

Total number of firms submitting reports 31

4. Average hours regularly worked per week .... Male: 50.4
Female: 48.8

CLOTHING AND NEEDLE TRADES

In the City of Toronto

Returns for May 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	8	34	7	2	51
15c-19c	39	174	33	97	343
19c-21c	34	45	50	60	189
21c-25c	64	59	208	59	390
25c-27c	75	43	396	28	542
27c-31c	192	43	1,546	22	1,803
31c-33c	117	11	665	3	796
33c-35c	114	8	1,428	6	1,556
35c-42c	440	16	1,078	5	1,539
42c-52c	1,058	22	1,109	1	2,190
52c-62c	1,454	43	496	—	1,993
62c-up	2,350	30	182	—	2,562
2. Total number of employees	5,945	528	7,198	283	13,954

3. Number of firms reporting employees 548
out of business 52
no help 36

Total number of firms submitting reports 636

4. Average hours regularly worked per week .... Male: 44.08
Female: 44.2

In other cities over 50,000

Returns for May 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	5	24	—	6	35
15c-19c	7	26	11	16	60
19c-21c	11	6	18	2	37
21c-25c	18	11	99	5	133
25c-27c	10	3	144	2	159
27c-31c	22	5	127	1	155
31c-33c	11	1	47	1	60
33c-35c	17	—	109	—	126
35c-42c	59	3	57	—	119
42c-52c	148	—	58	—	206
52c-62c	134	—	22	—	156
62c-up	131	—	8	—	139
2. Total number of employees	573	79	700	33	1,385

3. Number of firms reporting employees 65
out of business 6
no help 3

Total number of firms submitting reports 74

4. Average hours regularly worked per week .... Male: 48.3
Female: 48.2

CLOTHING AND NEEDLE TRADES

In places of 5,000 to 50,000

Returns for May 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	19	13	25	60
15c-19c	11	43	79	61	194
19c-21c	13	24	104	28	169
21c-25c	22	25	481	32	560
25c-27c	32	37	296	17	382
27c-31c	60	24	507	21	612
31c-33c	34	1	100	3	138
33c-35c	29	2	330	5	366
35c-42c	155	9	172	5	341
42c-52c	278	5	94	—	377
52c-62c	244	—	19	—	263
62c-up	166	1	4	—	171
2. Total number of employees	1,047	190	2,199	197	3,633

3. Number of firms reporting employees 91
out of business 2
no help 5

Total number of firms submitting reports 98

4. Average hours regularly worked per week ....Male: 46.2
Female: 47.6

In places under 5,000

Returns for May 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	—	6	10	17
15c-19c	3	—	42	6	51
19c-21c	4	2	42	3	51
21c-25c	8	1	41	—	50
25c-27c	8	1	17	—	24
27c-31c	9	—	37	1	47
31c-33c	9	1	10	—	20
33c-35c	3	—	7	—	10
35c-42c	14	1	5	—	20
42c-52c	20	—	6	—	26
52c-62c	24	—	—	—	24
62c-up	12	—	—	—	12
2. Total number of employees	113	6	213	20	352

3. Number of firms reporting employees 13
out of business 4
no help .... —

Total number of firms submitting reports 17

4. Average hours regularly worked per week .... Male: 53.4
Female: 52.4

ELECTRICAL MACHINERY AND APPLIANCES

In the City of Toronto

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	4	—	—	4
15c-19c	7	33	—	22	62
19c-21c	8	27	2	3	40
21c-25c	44	41	8	1	94
25c-27c	32	46	57	7	142
27c-31c	118	134	265	8	525
31c-33c	48	28	193	1	270
33c-35c	37	43	180	1	261
35c-42c	498	80	430	—	1,008
42c-52c	1,127	18	177	1	1,323
52c-62c	983	—	67	—	1,050
62c-up	1,235	—	28	—	1,263
2. Total number of employees	4,137	454	1,407	44	6,042

3. Number of firms reporting employees ... 104
out of business ... 5
no help ... 2

Total number of firms submitting reports ... 111

4. Average hours regularly worked per week ... Male: 46.9
Female: 45.7

In other cities over 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	2	—	—	3
15c-19c	2	9	—	—	11
19c-21c	1	7	4	1	13
21c-25c	3	31	36	1	71
25c-27c	22	20	41	4	87
27c-31c	77	46	88	3	214
31c-33c	19	10	192	—	221
33c-35c	30	14	190	—	234
35c-42c	147	24	189	—	360
42c-52c	805	18	168	—	991
52c-62c	747	—	15	—	762
62c-up	1,482	—	9	—	1,491
2. Total number of employees	3,336	181	932	9	4,458

3. Number of firms reporting employees ... 39
out of business ... —
no help ... 1

Total number of firms submitting reports ... 40

4. Average hours regularly worked per week ... Male: 46.5
Female: 45.7

ELECTRICAL MACHINERY AND APPLIANCES

In places of 5,000 to 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	1	—	3
15c-19c	4	24	7	13	48
19c-21c	11	42	4	8	65
21c-25c	14	66	98	26	204
25c-27c	37	77	47	2	163
27c-31c	122	129	210	8	469
31c-35c	35	21	122	4	182
33c-35c	39	35	99	—	173
35c-42c	722	74	88	2	886
42c-52c	796	32	24	—	852
52c-62c	823	—	3	—	826
62c-up	746	—	3	—	749
2. Total number of employees	3,349	502	706	63	4,620

3. Number of firms reporting	
employees	42
out of business	—
no help	—
Total number of firms submitting reports	42

4. Average hours regularly worked per week ......Male: 47.5
Female: 46.2

In places under 5,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	1	2
15c-19c	6	6	27	21	60
19c-21c	2	11	9	1	23
21c-25c	6	16	60	—	82
25c-27c	12	8	33	2	55
27c-31c	21	17	65	1	104
31c-33c	12	10	53	—	75
33c-35c	10	4	2	—	16
35c-42c	62	7	4	—	73
42c-52c	198	—	8	—	206
52c-62c	119	—	—	—	119
62c-up	112	—	—	—	112
2. Total number of employees	560	80	261	26	927

3. Number of firms reporting	
employees	12
out of business	—
no help	—
Total number of firms submitting reports	12

4. Average hours regularly worked per week ......Male: 50.1
Female: 44.8

FOODS AND FOOD PRODUCTS

In the City of Toronto

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	22	—	1	24
15c-19c	6	40	6	27	79
19c-21c	22	34	18	48	122
21c-25c	53	70	77	70	270
25c-27c	107	64	359	27	557
27c-31c	172	67	771	12	1,022
31c-33c	168	30	172	2	372
33c-35c	117	32	475	17	641
35c-42c	804	49	497	—	1,350
42c-52c	2,776	12	146	—	2,934
52c-62c	2,495	—	73	—	2,568
62c-up	1,989	—	23	—	2,012
2. Total number of employees	8,710	420	2,617	204	11,951

3. Number of firms reporting employees 195
out of business 10
no help 7

Total number of firms submitting reports 212

4. Average hours regularly worked per week .... Male: 48.5
Female: 47.

In other cities over 50,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	5	—	—	7
15c-19c	5	20	2	40	67
19c-21c	13	24	102	30	169
21c-25c	33	55	351	17	456
25c-27c	118	25	155	5	303
27c-31c	232	26	158	10	426
31c-33c	91	2	84	—	177
33c-35c	159	12	95	—	266
35c-42c	466	17	111	—	594
42c-52c	1,185	17	54	—	1,256
52c-62c	918	5	9	—	932
62c-up	672	—	2	—	674
2. Total number of employees	3,894	208	1,123	102	5,327

3. Number of firms reporting employees 115
out of business 4
no help 3

Total number of firms submitting reports 122

4. Average hours regularly worked per week .... Male: 49.9
Female: 46.6

FOODS AND FOOD PRODUCTS

In places of 5,000 to 50,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	28	2	16	49
15c-19c	14	48	18	35	115
19c-21c	40	42	44	28	154
21c-25c	47	67	254	36	404
25c-27c	109	44	226	11	390
27c-31c	249	79	254	6	588
31c-33c	93	16	49	—	158
33c-35c	122	49	66	4	241
35c-42c	738	36	61	—	835
42c-52c	1,452	14	40	—	1,506
52c-62c	807	—	8	—	815
62c-up	588	1	7	—	596
2. Total number of employees	4,262	424	1,029	136	5,851

3. Number of firms reporting employees 198
out of business 5
no help 4

Total number of firms submitting reports 207

4. Average hours regularly worked per week .... Male: 52.9
Female: 48.7

In places under 5,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	6	14	18	13	51
15c-19c	36	22	78	36	172
19c-21c	76	39	40	6	161
21c-25c	69	23	104	7	203
25c-27c	123	23	73	1	220
27c-31c	322	11	57	1	391
31c-33c	131	3	13	—	147
33c-35c	108	—	19	—	127
35c-42c	502	29	64	—	595
42c-52c	642	1	85	—	728
52c-62c	346	—	11	—	357
62c-up	205	—	—	—	205
2. Total number of employees	2,566	165	562	64	3,357

3. Number of firms reporting employees 157
out of business 6
no help .... —

Total number of firms submitting reports 163

4. Average hours regularly worked per week .... Male: 56.7
Female: 50.1

SEASONAL CANNING

In the City of Toronto

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	—	—	—	1
15c-19c	6	—	1	—	7
19c-21c	45	—	—	—	45
21c-25c	—	—	1	—	1
25c-27c	—	—	11	—	11
27c-31c	—	—	2	—	2
31c-33c	—	—	13	—	13
33c-35c	—	—	1	—	1
35c-42c	1	—	1	—	2
42c-52c	4	—	—	—	4
52c-62c	1	—	—	—	1
62c-up	19	—	—	—	19
2. Total number of employees	77	—	30	—	107

3. Number of firms reporting employees 4
out of business .... —
no help .... —

Total number of firms submitting reports 4

4. Average hours regularly worked per week ....Male: 48.5
Female: 47.3

In other cities over 50,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	40	3	43
15c-19c	—	—	70	—	70
19c-21c	—	—	37	—	37
21c-25c	1	2	455	1	459
25c-27c	18	15	45	—	78
27c-31c	48	1	69	—	118
31c-33c	—	—	15	—	15
33c-35c	—	—	18	—	18
35c-42c	15	—	45	—	60
42c-52c	18	—	52	—	70
52c-62c	7	—	9	—	16
62c-up	6	—	1	—	7
2. Total number of employees	113	18	856	4	991

3. Number of firms reporting employees 4
out of business 1
no help .... —

Total number of firms submitting reports 5

4. Average hours regularly worked per week ....Male: 55.3
Female: 55.3

SEASONAL CANNING

In places of 5,000 to 50,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	6	12	33	51
15c-19c	1	7	3	6	17
19c-21c	3	6	214	5	228
21c-25c	15	—	517	—	532
25c-27c	44	3	93	—	140
27c-31c	281	1	16	—	298
31c-33c	17	—	2	—	19
33c-35c	2	—	—	—	2
35c-42c	72	—	4	—	76
42c-52c	47	—	2	—	49
52c-62c	21	—	—	—	21
62c-up	8	—	—	—	8
2. Total number of employees	511	23	863	44	1,441

3. Number of firms reporting employees 16
out of business 3
no help .... —

Total number of firms submitting reports 19

4. Average hours regularly worked per week ....Male: 55.07
Female: 52.8

In places of 2,000 to 5,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	—	21	13	35
15c-19c	3	3	75	16	97
19c-21c	34	29	346	16	425
21c-25c	31	14	341	8	394
25c-27c	340	8	239	5	592
27c-31c	141	8	121	8	278
31c-33c	8	7	463	106	584
33c-35c	5	3	241	—	249
35c-42c	331	274	271	—	876
42c-52c	727	—	24	—	751
52c-62c	78	—	1	—	79
62c-up	23	—	—	—	23
2. Total number of employees	1,722	346	2,143	172	4,383

3. Number of firms reporting employees 21
out of business 3
no help 1

Total number of firms submitting reports 25

4. Average hours regularly worked per week ... . Male: 58.04
Female: 58.4

SEASONAL CANNING

In places under 2,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	6	16	110	19	151
15c-19c	47	26	697	63	833
19c-21c	294	74	791	58	1,217
21c-25c	188	16	1,040	53	1,297
25c-27c	597	48	354	5	1,004
27c-31c	505	35	401	6	947
31c-33c	198	—	130	—	328
33c-35c	36	44	94	—	174
35c-42c	143	—	145	—	288
42c-52c	58	—	24	—	82
52c-62c	18	—	1	—	19
62c-up	9	—	—	—	9
2. Total number of employees	2,099	259	3,787	204	6,349

3. Number of firms reporting employees 72
out of business 8
no help .... —

Total number of firms submitting reports 80

4. Average hours regularly worked per week .... Male: 58.1
Female: 56.8

JEWELLERY TRADES

In the City of Toronto

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	30	—	2	33
15c-19c	4	33	4	15	56
19c-21c	5	15	13	6	39
21c-25c	17	19	23	13	72
25c-27c	13	15	17	—	45
27c-31c	45	10	76	1	132
31c-33c	30	5	28	—	63
33c-35c	24	5	24	—	53
35c-42c	79	2	65	—	146
42c-52c	152	2	33	—	187
52c-62c	191	—	7	—	198
62c-up	269	—	3	—	272
2. Total number of employees	830	136	293	37	1,296

3. Number of firms reporting employees 42
out of business 2
no help 2

Total number of firms submitting reports 46

4. Average hours regularly worked per week .... Male: 47:2
Female: 45.1

JEWELLERY TRADES

In other cities over 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	10	—	—	12
15c-19c	1	9	1	—	11
19c-21c	2	—	—	—	2
21c-25c	2	7	1	—	10
25c-27c	6	1	1	—	8
27c-31c	4	4	5	—	13
31c-33c	—	1	11	—	12
33c-35c	—	1	5	—	6
35c-42c	6	3	5	—	14
42c-52c	13	—	5	—	18
52c-62c	27	—	—	—	27
62-up	54	—	1	—	55
2. Total number of employees	117	36	35	—	188

3. Number of firms reporting employees 14
out of business .... —
no help 2

Total number of firms submitting reports 16

4. Average hours regularly worked per week .... Male 46.6
Female: 42.9

In places of 5,000 to 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	6	4	—	13
15c-19c	2	26	11	7	46
19c-21c	9	7	48	1	65
21c-25c	4	4	24	3	35
25c-27c	10	7	17	1	35
27c-31c	33	7	17	1	58
31c-33c	14	1	11	—	26
33c-35c	4	1	18	—	23
35c-42c	32	4	10	—	46
42c-52c	65	—	—	—	65
52c-62c	67	—	—	—	67
62c-up	128	—	—	—	128
2. Total number of employees	371	63	160	13	607

3. Number of firms reporting employees 18
out of business .... —
no help .... —

Total number of firms submitting reports 18

4. Average hours regularly worked per week .... Male: 50.7
Female: 50.4

JEWELLERY TRADES

In places under 5,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	2	—	2
19c-21c	—	1	2	—	3
21c-25c	4	—	3	—	7
25c-27c	7	2	2	—	11
27c-31c	2	—	—	—	2
31c-33c	1	—	3	—	4
33c-35c	—	—	1	—	1
35c-42c	6	—	—	—	6
42c-52c	4	—	—	—	4
52c-62c	2	—	1	—	3
62c-up	2	—	—	—	2
2. Total number of employees	28	3	14	—	45

3. Number of firms reporting	
employees	2
out of business	—
no help	1
Total number of firms submitting reports	3

4. Average hours regularly worked per week ..... Male 49.
Female: 54.

LEATHER GOODS

In the City of Toronto

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	10	31	—	—	41
15c-19c	7	43	5	20	75
19c-21c	6	21	5	5	37
21c-25c	39	30	18	8	95
25c-27c	38	20	40	3	101
27c-31c	145	41	210	8	404
31c-33c	53	12	148	—	213
33c-35c	84	6	61	—	151
35c-42c	388	8	103	—	499
42c-52c	493	2	23	—	518
52c-62c	277	—	5	—	282
62c-up	166	1	1	—	168
2. Total number of employees	1,706	215	619	44	2,584

3. Number of firms reporting employees 83
out of business 14
no help 3

Total number of firms submitting reports 100

4. Average hours regularly worked per week .... Male: 46.8
Female: 44.2

In other cities over 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	9	—	—	12
15c-19c	11	3	1	12	27
19c-21c	8	24	8	3	43
21c-25c	15	12	45	—	72
25c-27c	9	6	19	5	39
27c-31c	32	3	36	—	71
31c-33c	17	3	23	—	43
33c-35c	19	1	32	—	52
35c-42c	87	—	55	—	142
42c-52c	141	1	10	—	152
52c-62c	68	—	4	—	72
62c-up	93	—	—	—	93
2. Total number of employees	503	62	233	20	818

3. Number of firms reporting employees 11
out of business .... —
no help .... —

Total number of firms submitting reports 11

4. Average hours regularly worked per week .... Male: 51.9
Female: 49.9

LEATHER GOODS

In places of 5,000 to 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	21	3	12	38
15c-19c	11	77	38	42	168
19c-21c	18	39	52	27	136
21c-25c	68	43	165	20	296
25c-27c	56	27	120	3	206
27c-31c	188	29	140	2	359
31c-33c	81	15	139	5	240
33c-35c	156	7	84	—	247
35c-42c	503	33	198	1	735
42c-52c	648	28	98	—	774
52c-62c	404	—	42	—	446
62c-up	266	—	3	—	269
2. Total number of employees	2,401	319	1,082	112	3,914

3. Number of firms reporting employees	52
out of business	3
no help	—
Total number of firms submitting reports	55

4. Average hours regularly worked per week ....Male: 50.5
Female: 48.6

In places under 5,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15	1	15	1	10	27
15c-19c	5	40	37	10	92
19c-21c	4	13	17	—	34
21c-25c	13	10	36	5	64
25c-27c	86	12	36	4	138
27c-31c	236	31	142	14	423
31c-33c	57	4	18	—	79
33c-35c	40	1	27	—	68
35c-42c	106	9	13	—	128
42c-52c	199	—	20	—	219
52c-62c	181	—	15	—	196
62c-up	54	—	2	—	56
2. Total number of employees	982	135	364	43	1,524

3. Number of firms reporting employees	18
out of business	2
no help	—
Total number of firms submitting reports	20

4. Average hours regularly worked per week ....Male: 54.3
Female: 52.4

METAL PRODUCTS AND MACHINERY

In the City of Toronto

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	14	—	—	15
15c-19c	12	45	—	4	61
19c-21c	15	48	3	3	69
21c-25c	30	66	31	19	146
25c-27c	89	73	63	13	238
27c-31c	195	125	172	24	516
31c-33c	77	35	183	6	301
33c-35c	69	30	121	2	222
35c-42c	833	104	233	2	1,172
42c-52c	2,464	33	111	6	2,614
52c-62c	2,290	1	42	—	2.333
62c-up	2,843	—	22	—	2,865
2. Total number of employees	8,918	574	981	79	10,552

3. Number of firms reporting employees 186
out of business 2
no help 1

Total number of firms submitting reports 189

4. Average hours regularly worked per week .... Male: 46.5
Female: 44.3

In other cities over 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	8	—	—	8
15c-19c	9	36	—	—	45
19c-21c	9	27	3	2	41
21c-25c	28	41	43	5	117
25c-27c	47	63	88	7	205
27c-31c	101	68	83	3	255
31c-33c	55	28	137	—	220
33c-35c	51	19	148	2	220
35c-42c-	644	46	266	—	956
42c-52c	2,936	57	80	1	3,074
52c-62c	2,681	6	45	—	2,732
62c-up	3,952	—	14	—	3,966
2. Total number of employees	10,513	399	907	20	11,839

3. Number of firms reporting employees 127
out of business 4
no help 6

Total number of firms submitting reports 137

4. Average hours regularly worked per week .... Male: 49.1
Female: 45.3

METAL PRODUCTS AND MACHINERY

In places of 5,000 to 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	11	—	—	12
15c-19c	11	73	7	4	95
19c-21c	38	74	14	—	126
21c-25c	57	83	115	11	266
25c-27c	141	78	115	2	336
27c-31c	418	134	259	7	818
31c-33c	215	36	168	2	421
33c-35c	302	33	129	—	464
35c-42c	2,923	141	165	—	3,229
42c-52c	3,781	82	45	—	3,908
52c-62c	3,132	2	23	—	3,157
62c-up	3,059	—	10	—	3,069
2. Total number of employees	14,078	747	1,050	26	15,901

3. Number of firms reporting employees	143
out of business	1
no help	—
Total number of firms submitting reports	144

4. Average hours regularly worked per week	Male:	49.6
	Female:	46.3

In places under 5,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	4	—	3	9
15c-19c	31	28	36	8	103
19c-21c	52	33	24	3	112
21c-25c	63	41	65	2	171
25c-27c	114	31	53	2	200
27c-31c	208	48	60	1	317
31c-33c	92	22	63	3	180
33c-35c	116	23	51	1	191
35c-42c	892	46	31	—	969
42c-52c	844	41	17	—	902
52c-62c	594	—	1	—	595
62c-up	641	—	3	—	644
2. Total number of employees	3,649	317	404	23	4,393

3. Number of firms reporting employees	53
out of business	—
no help	1
Total number of firms submitting reports	54

4. Average hours regularly worked per week	Males:	52.7
	Female:	47.1

NON-METALLIC MINERAL PRODUCTS

In the City of Toronto

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	3	3	—	2	8
19c-21c	1	1	1	6	9
21c-25c	4	5	1	—	10
25c-27c	18	12	3	—	33
27c-31c	11	4	30	—	45
31c-33c	18	—	26	—	44
33c-35c	8	—	52	—	60
35c-42c	511	22	59	—	592
42c-52c	442	2	38	—	482
52c-62c	493	—	68	—	561
62c-up	377	—	44	—	421
2. Total number of employees	1,886	49	322	8	2,265

3. Number of firms reporting employees 35
out of business 1
no help 1

Total number of firms submitting reports 37

4. Average hours regularly worked per week ..... Male: 46.9
Female: 42.7

In other cities over 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	—	—	2
15c-19c	4	5	—	3	12
19c-21c	5	4	5	1	15
21c-25c	7	5	33	—	45
25c-27c	15	4	13	—	32
27c-31c	33	13	23	—	69
31c-33c	19	8	25	—	52
33c-35c	10	2	15	—	27
35c-42c	176	37	5	4	222
42c-52c	462	7	7	—	476
52c-62c	263	—	5	—	268
62c-up	238	—	1	—	239
2. Total number of employees	1,232	87	132	8	1,459

3. Number of firms reporting employees 28
out of business 1
no help 3

Total number of firms submitting reports 32

4. Average hours regularly worked per week ..... Male: 49.1
Female: 44.3

NON-METALLIC MINERAL PRODUCTS

In places of 5,000 to 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	1	3	1	5
19c-21c	—	—	3	—	3
21c-25c	5	—	32	—	37
25c-27c	10	3	10	—	23
27c-31c	42	8	7	1	58
31c-33c	16	1	24	—	41
33c-35c	3	—	3	—	6
35c-42c	71	16	29	—	116
42c-52c	740	3	17	1	761
52c-62c	532	—	29	—	561
62c-up	575	—	22	—	597
2. Total number of employees	1,994	32	179	3	2,208

3. Number of firms reporting employees	16
out of business	—
no help	—
Total number of firms submiting reports	16

4. Average hours regularly worked per week ..... Male: 48.1
Female: 42.2

In places under 5,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	5	2	4	1	12
19c-21c	1	1	9	—	11
21c-25c	2	1	10	—	13
25c-27c	16	2	—	—	18
27c-31c	21	3	2	—	26
31c-33c	8	1	11	—	20
33c-35c	2	1	12	—	15
35c-42c	203	12	6	—	221
42c-52c	159	3	2	—	164
52c-62c	98	—	1	—	99
62c-up	188	—	1	—	189
2. Total number of employees	703	26	58	1	788

3. Number of firms reporting employees	14
out of business	2
no help	2
Total number of firms submitting reports	18

4. Average hours regularly worked per week ..... Male: 53.2
Female: 47.4

PAPER PRODUCTS, PRINTING ETC.

In the City of Toronto

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	10	74	—	—	84
15c-19c	41	178	8	83	310
19c-21c	35	122	20	43	220
21c-25c	100	143	138	31	412
25c-27c	114	95	380	21	610
27c-31c	276	100	698	10	1,084
31c-33c	160	32	591	15	798
33c-35c	186	15	464	—	665
35c-42c	727	39	802	—	1,568
42c-52c	1,723	23	418	—	2,164
52c-62c	1,652	1	182	—	1,835
62c-up	4,462	5	133	—	4,600
2. Total number of employees	9,486	827	3,834	203	14,350

3. Number of firms reporting employees 435
out of business 19
no help 54

Total number of firms submitting reports 508

4. Average hours regularly worked per week .... Male: 45.9
Female: 44.5

In other cities over 50,000

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	6	45	—	7	58
15c-19c	16	68	1	7	92
19c-21c	19	42	17	11	89
21c-25c	82	61	162	1	306
25c-27c	50	26	256	9	341
27c-31c	107	32	399	4	542
31c-33c	113	8	172	—	293
33c-35c	81	7	150	—	238
35c-42c	277	16	139	—	432
42c-52c	953	10	69	—	1,032
52c-62c	668	—	35	—	703
62c-up	1,435	—	25	—	1,460
2. Total number of employees	3,807	315	1,425	39	5,588

3. Number of firms reporting employees 168
out of business 8
no help 51

Total number of firms submitting reports 227

4. Average hours regularly worked per week .... Male: 45.2
Female: 44.1

PAPER PRODUCTS, PRINTING ETC.

In places of 5,000 to 50,000

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	12	38	4	6	60
15c-19c	21	48	30	9	108
19c-21c	19	46	40	15	120
21c-25c	46	15	180	11	252
25c-27c	78	34	162	13	287
27c-31c	88	26	110	14	238
31c-33c	40	7	155	—	202
33c-35c	64	8	67	—	139
35c-42c	371	15	78	4	468
42c-52c	1,337	15	84	—	1,436
52c-62c	1,743	8	28	—	1,779
62c-up	2,260	—	21	—	2,281
2. Total number of employees	6,079	260	959	72	7,370

3. Number of firms reporting employees 114
out of business 5
no help 3

Total number of firms submitting reports 122

4. Average hours regularly worked per week .... Male: 48.7
Female: 44.6

In places under 5,000

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	4	11	3	11	29
15c-19c	6	9	16	3	34
19c-21c	10	4	17	1	32
21c-25c	15	9	46	2	72
25c-27c	15	14	84	6	119
27c-31c	39	8	36	4	87
31c-33c	31	9	100	1	141
33c-35c	35	3	45	—	83
35c-42c	205	14	64	—	283
42c-52c	670	37	42	—	749
52c-62c	1,163	—	9	—	1,172
62c-up	1,428	—	10	—	1,438
2. Total number of employees	3,621	118	472	28	4,239

3. Number of firms reporting employees 92
out of business 1
no help 1

Total number of firms submitting reports 94

4. Average hours regularly worked per week ....Male: 50.9
Female: 45.8

RUBBER PRODUCTS

In the City of Toronto

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	1	—	—	2
15c-19c	—	13	—	—	13
19c-21c	19	2	1	—	22
21c-25c	19	7	6	4	36
25c-27c	17	10	3	7	37
27c-31c	32	11	22	6	71
31c-33c	17	11	98	—	126
33c-35c	18	3	126	—	147
35c-42c	120	14	197	—	331
42c-52c	376	19	86	—	481
52c-62c	497	—	10	—	507
62c-up	535	—	2	—	537
2. Total number of employees	1,651	91	551	17	2,310

3. Number of firms reporting employees 26
out of business .... —
no help 1

Total number of firms submitting reports 27

4. Average hours regularly worked per week ....Male: 45.7
Female: 44.3

In other cities over 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	—	—	—
21c-25c	—	—	—	—	—
25c-27c	—	—	—	—	—
27c-31c	2	2	1	—	5
31c-33c	3	—	24	—	27
33c-35c	—	—	—	—	—
35c-42c	6	—	—	—	6
42c-52c	18	1	55	—	74
52c-62c	59	—	6	—	65
62c-up	491	—	3	—	494
2. Total number of employees	579	3	89	—	671

3. Number of firms reporting employees 10
out of business 1
no help .... —

Total number of firms submitting reports 11

4. Average hours regularly worked per week .. .. Male: 43.9
Female: 43.2

RUBBER PRODUCTS

In places of 5,000 to 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	8	8
15c-19c	—	19	24	18	61
19c-21c	—	13	14	7	34
21c-25c	5	52	151	23	231
25c-27c	13	53	114	16	196
27c-31c	51	100	201	11	363
31c-33c	78	33	274	14	399
33c-35c	80	25	240	—	345
35c-42c	557	35	141	—	733
42c-52c	1,056	18	41	—	1,115
52c-62c	788	—	7	—	795
62c-up	849	—	6	—	855
2. Total number of employees	3,477	348	1,213	97	5,135

3. Number of firms reporting employees 21
out of business .... —
no help .... —

Total number of firms submitting reports 21

4. Average hours regularly worked per week .... Male: 50.8
Female: 49.4

In places under 5,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	1	—	1
15c-19c	5	—	10	—	15
19c-21c	4	3	—	—	7
21c-25c	2	1	1	—	4
25c-27c	8	1	1	—	10
27c-31c	9	4	2	—	15
31c-33c	8	1	11	—	20
33c-35c	28	—	3	—	31
35c-42c	72	—	—	—	72
42c-52c	81	—	1	—	82
52c-62c	124	—	—	—	124
62c-up	13	—	—	—	13
2. Total number of employees	354	10	30	—	394

3. Number of firms reporting employees 3
out of business .... —
no help .... —

Total number of firms submitting reports 3

4. Average hours regularly worked per week .... Male: 52.6
Female: 52.6

TEXTILES

(Firms not covered by Textile Code)

In the City of Toronto

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	3	—	—	3
15c-19c	—	11	1	2	14
19c-21c	1	6	1	1	9
21c-25c	4	13	16	—	33
25c-27c	7	9	36	1	53
27c-31c	43	5	68	1	117
31c-33c	12	1	80	—	93
33c-35c	14	—	37	—	51
35c-42c	35	3	24	—	62
42c-52c	77	—	6	—	83
52c-62c	45	—	4	—	49
62c-up	87	—	—	—	87
2. Total number of employees	325	51	273	5	654

3. Number of firms reporting	
employees	17
out of business	2
no help	—
Total number of firms submitting reports	19

4. Average hours regularly worked per week .... Male: 50.6
Female: 46.5

In other cities over 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	—	—	—
21c-25c	—	—	3	—	3
25c-27c	1	—	7	—	8
27c-31c	4	—	2	—	6
31c-33c	—	—	1	—	1
33c-35c	2	—	—	—	2
35c-42c	2	—	—	—	2
42c-52c	2	—	—	—	2
52c-62c	2	—	—	—	2
62c-up	—	—	—	—	—
2. Total number of employees	13	—	13	—	26

3. Number of firms reporting	
employees	3
out of business	—
no help	—
Total numberof firms submiting reports	3

4. Average hours regularly worked per week .... Male: 53.3
Female: 49.8

TEXTILES

(Firms not covered by Textile Code)

In places of 5,000 to 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	2	1	4	9
15c-19c	1	6	2	2	11
19c-21c	1	10	3	3	17
21c-25c	6	8	42	4	60
25c-27c	11	50	66	7	134
27c-31c	48	12	85	—	145
31c-33c	31	1	20	—	52
33c-35c	33	1	25	—	59
35c-42c	206	11	37	1	255
42c-52c	210	2	24	—	336
52c-62c	128	—	6	—	134
62c-up	97	—	10	—	107
2. Total number of employees	774	103	321	21	1,219

3. Number of firms reporting employees 13
out of business 2
no help 1

Total number of firms submiting reports 16

Average hours regularly worked per week ....Male: 52.3
Female: 50.1

In places under 5,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	2	1	3
15c-19c	—	16	5	—	21
19c-21c	5	11	10	3	29
21c-25c	5	6	17	7	35
25c-27c	22	3	34	2	61
27c-31c	10	1	21	1	33
31c-33c	16	1	18	3	38
33c-35c	23	—	11	—	34
35c-42c	46	1	23	—	70
42c-52c	71	1	17	—	89
52c-62c	46	—	3	—	49
62c-up	64	—	—	—	64
2. Total number of employees	308	40	161	17	526

3. Number of firms reporting employees 11
out of business .... —
no help 1

Total number of firms submitting reports 12

4. Average hours regularly worked per week ....Male: 49.9
Female: 49.9

TOBACCO

In the City of Toronto

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	1	1	—	—	2
19c-21c	—	—	1	—	1
21c-25c	—	1	30	3	34
25c-27c	3	—	20	2	25
27c-31c	9	—	66	4	79
31c-33c	4	3	30	—	37
33c-35c	4	1	33	1	39
35c-42c	26	2	75	1	104
42c-52c	84	1	33	—	118
52c-62c	41	1	1	—	43
62c-up	43	—	3	—	46
2. Total number of employees	215	10	292	11	528

3. Number of firms reporting employees 8
out of business 1
no help .... —

Total number of firms submitting reports 9

4. Average hours regularly worked per week ....Male: 46.3
Female: 44.5

In other cities over 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	1	—	1
19c-21c	—	1	4	—	5
21c-25c	1	2	65	16	84
25c-27c	—	1	59	6	66
27c-31c	1	5	87	—	93
31c-33c	1	2	60	—	63
33c-35c	35	1	14	—	50
35c-42c	49	—	9	—	58
42c-52c	34	—	1	—	35
52c-62c	41	—	—	—	41
62c-up	30	—	—	—	30
2. Total number of employees	192	12	300	22	526

3. Number of firms reporting employees 2
out of business 1
no help .... —

Total number of firms submitting reports 3

4. Average hours regularly worked per week ....Male: 48.
Female: 46.

TOBACCO

In places of 5,000 to 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	8	—	10
15c-19c	14	—	13	—	27
19c-21c	16	—	16	2	34
21c-25c	57	4	74	3	138
25c-27c	47	—	61	2	110
27c-31c	167	1	85	2	255
31c-33c	74	2	25	—	101
33c-35c	38	4	31	3	76
35c-42c	160	—	59	—	219
42c-52c	31	—	25	—	56
52c-62c	10	—	16	—	26
62c-up	11	—	—	—	11
2. Total number of employees	625	13	413	12	1,063

3. Number of firms reporting employees 3
out of business .... —
no help 3

Total number of firms submitting reports 6

4. Average hours regularly worked per week .... Male: 50.3
Female: 47.

In places under 5,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	39	6	4	6	55
15c-19c	93	28	70	4	195
19c-21c	87	20	87	7	201
21c-25c	148	29	133	5	315
25c-27c	119	8	72	1	200
27c-31c	464	29	207	3	703
31c-33c	548	108	665	16	1,335
33c-35c	447	37	268	—	752
35c-42c	458	29	224	—	711
42c-52c	67	1	21	—	89
52c-62c	36	—	2	—	38
62c-up	38	—	—	—	38
2. Total number of employees	2,544	293	1,753	42	4,632

3. Number of firms reporting employees 9
out of business .... —
no help 1

Total number of firms submitting reports 10

4. Average hours regularly worked per week .... Male: 47.5
Females: 47.3

WOOD PRODUCTS

In the City of Toronto

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	5	29	—	—	34
15c-19c	4	25	—	14	43
19c-21c	21	9	1	1	32
21c-25c	22	15	—	1	38
25c-27c	33	17	8	4	62
27c-31c	60	16	20	1	97
31c-33c	18	5	25	1	49
33c-35c	37	5	15	—	57
35c-42c	136	3	62	1	202
42c-52c	244	—	31	—	275
52c-62c	306	3	18	—	327
62c-up	303	—	10	—	313
2. Total number of employees	1,189	127	190	23	1,529

3. Number of firms reporting employees 98

out of business 16

no help 32

Total number of firms submitting reports 146

4. Average hours regularly worked per week ....Male: 44.6

Female: 44.1

In other cities over 50,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	1	4	—	—	5
19c-21c	1	1	—	—	2
21c-25c	2	3	2	—	7
25c-27c	1	1	1	—	3
27c-31c	37	2	1	1	41
31c-33c	8	—	3	—	11
33c-35c	10	—	1	—	11
35c-42c	44	—	—	—	44
42c-52c	34	—	1	—	35
52c-62c	16	—	—	—	16
62c-up	13	—	—	—	13
2. Total number of employees	167	11	9	1	188

3. Number of firms reporting employees 10

out of business .... —

no help 1

Total number of firms submitting reports 11

4. Average hours regularly worked per week ....Male: 45.4

Female: 42.4

WOOD PRODUCTS

In places of 5,000 to 50,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	7	1	2	13
15c-19c	12	116	17	4	149
19c-21c	22	35	11	1	69
21c-25c	50	119	50	5	224
25c-27c	50	30	21	1	102
27c-31c	158	44	33	3	238
31c-33c	144	5	33	2	184
33c-35c	201	8	15	—	224
35c-42c	608	9	22	2	641
42c-52c	642	13	15	—	670
52c-62c	233	—	3	—	236
62c-up	263	—	2	—	265
2. Total number of employees	2,386	386	223	20	3,015

3. Number of firms reporting employees 50
out of business 2
no help 1

Total number of firms submitting reports 53

4. Average hours regularly worked per week ....Male: 49.9
Female: 47.6

In places under 5,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	5	1	3	9
15c-19c	34	132	8	3	177
19c-21c	50	38	55	7	150
21c-25c	72	151	74	5	302
25c-27c	96	22	27	—	145
27c-31c	220	54	31	2	307
31c-33c	330	8	10	—	348
33c-35c	233	4	6	—	243
35c-42c	846	8	11	—	865
42c-52c	531	—	5	—	536
52c-62c	150	—	—	—	150
62c-up	82	—	—	—	82
2. Total number of employees	2,644	422	228	20	3,314

3. Number of firms reporting employees 57
out of business 4
no help 2

Total number of firms submitting reports 63

4. Average hours regularly worked per week ....Male: 49.6
Female: 46.

DRUGS AND CHEMICAL PRODUCTS

In the City of Toronto

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	28	4	—	34
15c-19c	11	44	2	27	84
19c-21c	8	20	7	22	57
21c-25c	31	45	78	21	175
25c-27c	43	22	99	3	167
27c-31c	151	69	469	20	709
31c-33c	61	31	180	1	273
33c-35c	72	33	106	—	211
35c-42c	346	49	344	2	741
42c-52c	754	8	206	—	968
52c-62c	630	1	74	—	705
62c-up	970	1	45	—	1,016
2. Total number of employees	3,079	351	1,614	96	5,140

3. Number of firms reporting employees 293
out of business 54
no help 81

Total number of firms submitting reports 328

4. Average hours regularly worked per week .... Male: 44.4
Female: 43.1

In other cities over 50,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	6	16	—	—	22
15c-19c	3	5	—	2	10
19c-21c	3	1	11	2	17
21c-25c	7	6	21	6	40
25c-27c	7	7	72	—	86
27c-31c	16	8	65	1	90
31c-33c	16	1	29	—	46
33c-35c	11	1	18	—	30
35c-42c	71	4	117	—	192
42c-52c	288	6	89	—	383
52c-62c	424	—	14	—	438
62c-up	590	—	9	—	599
2. Total number of employees	1,442	55	445	11	1,953

3. Number of firms reporting employees 103
out of business 10
no help 38

Total number of firms submitting reports 151

4. Average hours regularly worked per week .... Male: 45.6
Female: 42.9

DRUGS AND CHEMICAL PRODUCTS

In places of 5,000 to 50,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	1	3	6
15c-19c	2	1	—	1	4
19c-21c	2	3	2	—	7
21c-25c	1	4	6	—	11
25c-27c	5	1	48	1	55
27c-31c	12	2	24	—	38
31c-33c	9	1	11	—	21
33c-35c	2	2	7	—	11
35c-42c	76	7	102	—	185
42c-52c	495	3	24	—	522
52c-62c	258	—	1	—	259
62c-up	241	—	—	—	241
2. Total number of employees	1,103	26	226	5	1,360

3. Number of firms reporting employees 42
out of business 2
no help 9

Total number of firms submitting reports 53

4. Average hours regularly worked per week .... Male: 46.9
Female: 43.0

In places under 5,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	—	1
15c-19c	3	1	55	3	62
19c-21c	3	5	12	3	23
21c-25c	9	3	105	1	118
25c-27c	58	8	46	—	112
27c-31c	69	12	32	—	113
31c-33c	24	—	6	—	30
33c-35c	20	1	10	—	31
35c-42c	130	4	31	—	165
42c-52c	191	4	14	—	209
52c-62c	126	—	3	—	129
62c-up	212	—	2	—	214
2. Total number of employees	845	39	316	7	1,207

3. Number of firms reporting employees 44
out of business 4
no help 9

Total number of firms submitting reports 57

4. Average hours regularly worked per week .... Male: 48.05
Female: 43.8

MISCELLANEOUS TRADES

In the City of Toronto

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	9	20	—	1	30
15c-19c	25	91	10	16	142
19c-21c	31	38	5	3	77
21c-25c	50	76	46	19	191
25c-27c	104	43	162	3	312
27c-31c	185	39	304	5	533
31c-33c	96	12	175	—	283
33c-35c	95	6	182	—	283
35c-42c	452	18	182	—	652
42c-52c	813	4	98	—	915
52c-62c	572	1	36	—	609
62c-up	709	—	20	—	729
2. Total number of employees	3,141	348	1,220	47	4,756

3. Number of firms reporting employees 191
out of business 4
no help 2

Total number of firms submitting reports 197

4. Average hours regularly worked per week ....Male: 45.2
Female: 44.7

In other cities over 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	6	—	—	7
15c-19c	14	8	2	—	24
19c-21c	8	4	2	—	14
21c-25c	7	6	29	1	43
25c-27c	22	6	24	—	52
27c-31c	22	11	26	—	59
31c-33c	20	2	51	—	73
33c-35c	9	1	21	—	31
35c-42c	138	9	32	—	179
42c-52c	402	27	25	—	454
52c-62c	181	—	13	—	194
62c-up	290	—	3	—	293
2. Total number of employees	1,114	80	228	1	1,423

3. Number of firms reporting employees 64
out of business 1
no help 2

Total number of firms submitting reports 67

4. Average hours regularly worked per week ....Male: 48.4
Female: 44.6

MISCELLANEOUS TRADES

In places of 5,000 to 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	5	—	1	7
15c-19c	24	42	8	12	86
19c-21c	22	31	10	2	65
21c-25c	34	23	96	3	156
25c-27c	58	33	29	—	120
27c-31c	206	46	143	2	397
31c-33c	77	15	173	1	266
33c-35c	98	12	144	—	254
35c-42c	479	23	107	—	609
42c-52c	568	14	66	—	648
52c-62c	320	—	8	—	328
62c-up	448	—	5	—	453
2. Total number of employees	2,335	244	789	21	3,389

3. Number of firms reporting employees 60
out of business 1
no help 2

Total number of firms submitting reports 63

4. Average hours regularly worked per week ....Male: 50.9
Female: 49.1

In places under 5,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	11	1	4	18
15c-19c	6	8	66	5	85
19c-21c	6	14	34	1	55
21c-25c	25	17	79	8	129
25c-27c	42	9	31	2	84
27c-31c	105	12	19	1	137
31c-33c	31	6	18	—	55
33c-35c	50	6	22	—	78
35c-42c	278	15	7	—	300
42c-52c	346	—	5	—	351
52c-62c	168	—	—	—	168
62c-up	167	—	1	—	168
2. Total number of employees	1,226	98	283	21	1,628

3. Number of firms reporting employees 35
out of business .... —
no help 1

Total number of firms submitting reports 36

4. Avererage hours regularly worked per week .... Male: 49.1
Female: 47.9

WHOLESALES AND WAREHOUSES

In the City of Toronto

Returns for June 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	3	14	—	2	19
$ 7.00-$ 9.00	3	40	3	6	52
$ 9.00-$10.00	17	26	6	—	49
$10.00-$12.00	52	54	22	2	130
$12.00-$13.00	60	20	82	1	163
$13.00-$15.00	83	15	111	5	214
$15.00-$16.00	110	15	198	2	325
$16.00-$17.00	51	7	27	—	85
$17.00-$20.00	170	5	62	—	237
$20.00-$25.00	442	—	98	—	540
$25.00-$30.00	226	—	39	—	265
$30.00-up	720	1	39	—	760
2. Total number of employees	1,937	197	687	18	2,839

3. Number of firms reporting employees 204
out of business 9
no help 8

Total number of firms submitting reports 221

4. Average hours regularly worked per week ....Male: 48.5
Female: 43.2

In other cities over 50,000

Returns for June 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	—	12	—	—	12
$ 7.00-$ 9.00	10	15	2	3	30
$ 9.00-$10.00	9	13	3	—	25
$10.00-$12.00	25	13	18	3	59
$12.00-$13.00	30	12	47	1	90
$13.00-$15.00	29	11	33	—	73
$15.00-$16.00	60	5	58	—	123
$16.00-$17.00	40	—	5	—	45
$17.00-$20.00	126	2	10	1	139
$20.00-$25.00	222	—	13	—	235
$25.00-$30.00	128	—	7	—	135
$30.00-up	270	—	8	—	278
2. Total number of employees	949	83	204	8	1,244

3. Number of firms reporting employees 80
out of business 1
no help 1

Total number of firms submitting reports 82

4. Average hours regularly worked per week ....Male: 47.3
Female: 43.3

WHOLESALES AND WAREHOUSES

In places of 5,000 to 50,000

Returns for June 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	—	3	—	2	5
$ 7.00-$ 9.00	3	6	—	1	10
$ 9.00-$10.00	4	5	5	3	17
$10.00-$12.00	26	16	33	3	78
$12.00-$13.00	31	10	30	—	71
$13.00-$15.00	37	1	32	—	70
$15.00-$16.00	90	6	59	—	155
$16.00-$17.00	67	1	5	—	73
$17.00-$20.00	175	1	2	—	178
$20.00-$25.00	280	1	21	—	302
$25.00-$30.00	217	—	2	—	219
$30.00-up	283	—	2	—	285
2. Total number of employees	1,213	50	191	9	1,463

3. Number of firms reporting employees 103
out of business 2
no help 1

Total number of firms submitting reports 106

4. Average hours regularly worked per week ....Male: 51.6
Female: 44.7

In places under 5,000

Returns for June 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	—	—	—	—	—
$ 7.00-$ 9.00	1	1	3	—	5
$ 9.00-$10.00	3	1	2	1	7
$10.00-$12.00	6	2	11	—	19
$12.00-$13.00	20	3	10	—	33
$13.00-$15.00	10	—	10	—	20
$15.00-$16.00	25	3	18	—	46
$16.00-$17.00	9	—	6	—	15
$17.00-$20.00	70	2	22	—	94
$20.00-$25.00	81	1	5	—	87
$25.00-$30.00	33	—	5	—	38
$30.00-up	57	—	1	—	58
2. Total number of employees	315	13	93	1	422

3. Number of firms reporting employees 46
out of business 2
no help 1

Total number of firms submitting reports 49

4. Average hours regularly worked per week .... Male: 55.4
Female: 47.2

RETAIL STORES

In the City of Toronto

Returns for October 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	36	560	3	1	600
$ 7.00-$ 9.00	56	335	2	82	475
$ 9.00-$10.00	177	98	7	55	337
$10.00-$12.00	381	116	237	122	856
$12.00-$13.00	227	163	1,908	66	2,364
$13.00-$15.00	274	132	2,941	51	3,398
$15.00 $16.00	659	222	2,737	27	3,645
$16.00-$17.00	746	102	1,080	20	1,948
$17.00-$20.00	947	85	788	—	1,820
$20.00-$25.00	2,761	45	514	—	3,320
$25.00-$30.00	1,459	—	179	—	1,635
$30.00-up	2,088	—	173	—	2,261
2. Total number of employees	9,811	1,858	10,566	424	22,659

3. Number of firms reporting employees 1,139
out of business 48
no help 44

Total number of firms submitting reports 1,231

4. Average hours regularly worked per week .... Male: 50.4
Female: 47.6

In other cities over 50,000

Returns for October 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	16	377	—	—	393
$ 7.00-$ 9.00	40	206	3	8	257
$ 9.00-$10.00	24	56	10	9	99
$10.00-$12.00	108	86	167	29	390
$12.00-$13.00	210	82	2,702	27	3,021
$13.00-$15.00	203	26	975	2	1,206
$15.00-$16.00	276	22	618	2	918
$16.00-$17.00	124	3	118	—	245
$17.00-$20.00	445	4	183	—	632
$20.00-$25.00	674	1	175	—	350
$25.00-$30.00	395	1	49	—	445
$30.00-up	742	—	43	—	785
2. Total number of employees	3,257	864	5,043	77	9,241

3. Number of firms reporting employees 813
out of business 31
no help 22

Total number of firms submitting reports 866

4. Average hours regularly worked per week .... Male: 51.2
Female: 47.4

RETAIL STORES

In places of 5,000 to 50,000

Returns for October 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	13	256	7	9	285
$ 7.00-$ 9.00	47	189	70	11	317
$ 9.00-$10.00	37	99	201	24	361
$10.00-$12.00	168	165	2,699	56	3,088
$12.00-$13.00	257	122	1,250	91	1,720
$13.00-$15.00	297	47	1,003	8	1,355
$15.00-$16.00	403	44	624	1	1,072
$16.00-$17.00	227	20	116	—	363
$17.00-$20.00	575	24	136	—	735
$20.00-$25.00	768	2	92	—	862
$25.00-$30.00	505	—	49	—	554
$30.00-up	707	—	11	—	718
2. Total number of employees	4,004	968	6,258	200	11,430

3. Number of firms reporting employees 1,439
out of business 44
no help 35

Total number of firms submitting reports 1,518

4. Average hours regularly worked per week .... Male: 55.2
Female: 50.1

In places under 5,000

Returns for October 1938

1. Weekly rate of wages:	Men	Boys	Women	Girls	Total
Under $ 7.00	10	211	48	13	282
$ 7.00-$ 9.00	43	131	193	35	402
$ 9.00-$10.00	36	46	502	42	626
$10.00-$12.00	154	57	479	12	702
$12.00-$13.00	117	30	172	5	324
$13.00-$15.00	99	18	102	1	220
$15.00-$16.00	155	12	91	—	258
$16.00-$17.00	67	2	12	—	81
$17.00-$20.00	165	5	15	—	185
$20.00-$25.00	160	—	16	—	176
$25.00-$30.00	266	—	2	—	268
$30.00-up	130	—	—	—	130
2. Total number of employees	1,402	512	1,632	108	3,654

3. Number of firms reporting employees 923
out of business 33
no help 62

Total number of firms submitting reports 1,018

4. Average hours regularly worked per week .... Male: 54.2
Female: 51.4

RECREATION AND AMUSEMENT

In the City of Toronto

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	7	7	1	—	15
15c-19c	35	31	—	—	66
19c-21c	27	19	—	—	46
21c-25c	35	35	—	—	70
25c-27c	51	15	9	—	75
27c-31c	38	9	51	2	100
31c-33c	31	2	28	1	62
33c-35c	21	7	34	—	62
35c-42c	53	4	99	—	156
42c-52c	112	2	57	—	171
52c-62c	108	—	31	—	139
62c-up	244	—	14	—	258
2. Total number of employees	762	131	324	3	1,220

3. Number of firms reporting employees 109
out of business 1
no help —

Total number of firms submitting reports 110

4. Range of hours regularly worked per week Male: 3-65
Female: 3-57

In other cities over 50,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	5	5	1	—	11
15c-19c	18	8	1	—	27
19c-21c	11	15	1	—	27
21c-25c	16	9	2	—	27
25c-27c	28	15	7	—	50
27c-31c	15	9	38	—	62
31c-33c	11	1	14	—	26
33c-35c	11	3	20	—	34
35c-42c	21	—	20	—	41
42c-52c	42	—	12	—	54
52c-62c	56	—	2	—	58
62c-up	81	—	4	—	85
2. Total number of employees	315	65	122	—	502

3. Number of firms reporting employees 46
out of business 3
no help —

Total number of firms submitting reports 49

4. Range of hours regularly worked per week Male: 1½-60
Female: 2 -48

RECREATION AND AMUSEMENT

In places under 50,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	18	28	2	—	48
15c-19c	23	19	1	—	43
19c-21c	15	17	2	—	34
21c-25c	30	16	5	—	51
25c-27c	37	27	45	1	110
27c-31c	31	11	42	2	86
31c-33c	10	5	24	—	39
33c-35c	13	6	32	1	52
35c-42c	46	5	39	1	91
42c-52c	83	3	20	—	106
52c-62c	94	—	6	—	100
62c-up	135	1	4	—	140
2. Total number of employees	535	138	222	5	900

3. Number of firms reporting	
employees	121
out of business	3
no help	2
Total number of firms submitting reports	126

4. Range of hours regularly worked per week ... Male: 9-44
Female: 18-36

CONTRACTORS

In the City of Toronto

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	—	1
15c-19c	—	2	—	—	2
19c-21c	1	—	—	—	1
21c-25c	1	4	—	—	5
25c-27c	2	1	—	—	3
27c-31c	4	—	1	—	5
31c-33c	7	2	—	—	9
33c-35c	1	—	3	—	4
35c-42c	73	3	23	—	99
42c-52c	266	—	12	—	278
52c-62c	193	—	6	—	199
62c-up	484	—	7	—	491
2. Total number of employees	1,032	13	52	—	1,097

3. Number of firms reporting employees 33
out of business 2
no help 2

Total number of firms submitting reports 37

4. Average hours regularly worked per week ....Male: 43
Female: 41

In other cities over 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	1	—	—	1
19c-21c	—	1	—	—	1
21c-25c	—	1	4	—	5
25c-27c	1	1	2	—	4
27c-31c	3	3	5	1	12
31c-33c	—	1	—	—	1
33c-35c	3	1	—	—	4
35c-42c	8	1	17	—	26
42c-52c	159	1	6	—	166
52c-62c	120	—	4	—	124
62c-up	250	—	2	—	252
2. Total number of employees	544	11	40	1	596

3. Number of firms reporting employees 16
out of business .... —
no help .... —

Total number of firms submitting reports 16

4. Average hours regularly worked per week .... Male: 45
Female: 43½

CONTRACTORS

In places of 5,000 to 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	3	—	—	3
19c-21c	2	—	1	—	3
21c-25c	1	—	3	—	4
25c-27c	1	1	1	—	3
27c-31c	5	—	2	—	7
31c-33c	3	—	1	—	4
33c-35c	1	—	—	—	1
35c-42c	30	2	4	—	36
42c-52c	114	4	3	—	121
52c-62c	45	—	1	—	46
62c-up	117	—	—	—	117
2. Total number of employees	319	10	16	—	345

3. Number of firms reporting	
employees	18
out of business	1
no help	—
Total number of firms submitting reports	19

4. Average hours regularly worked per week Male: 49
Female: 41

TELEPHONE

In the City of Toronto

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	—	1
15c-19c	—	2	—	—	2
19c-21c	—	2	—	—	2
21c-25c	1	1	7	—	9
25c-27c	3	—	23	—	26
27c-31c	3	—	23	—	26
31c-33c	—	—	8	—	8
33c-35c	—	—	8	—	8
35c-42c	16	—	251	—	267
42c-52c	51	—	540	—	591
52c-62c	139	—	267	—	406
62c-up	1,533	—	80	—	1,613
2. Total number of employees	1,746	6	1,207	—	2,959

3. Number of firms reporting employees 17
out of business .... —
no help 2

Total number of firms submitting reports 19

4. Average hours regularly worked per week ....Male: 43
Female: 39

In other cities over 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	4	9	13
21c-25c	2	—	2	7	11
25c-27c	—	1	78	—	79
27c-31c	5	1	34	—	40
31c-33c	—	—	7	—	7
33c-35c	4	2	5	—	11
35c-42c	8	—	536	—	544
42c-52c	164	—	176	—	340
52c-62c	75	—	40	—	115
62c-up	700	—	16	—	716
2. Total number of employees	958	4	898	16	1,876

3. Number of firms reporting employees 5
out of business .... —
no help .... —

Total number of firms submitting reports 5

4. Average hours regularly worked per week ....Male: 48
Female: 48

TELEPHONE

In places of 10,000 to 50,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	8	3	11
19c-21c	—	—	18	15	33
21c-25c	2	—	196	7	205
25c-27c	7	1	200	8	216
27c-31c	14	2	92	1	109
31c-33c	2	—	26	—	28
33c-35c	4	—	34	—	38
35c-42c	11	2	939	—	952
42c-52c	201	—	253	—	454
52c-62c	136	—	64	—	200
62c-up	1,064	—	19	—	1,083
2. Total number of employees	1,441	5	1,849	34	3,329

3. Number of firms reporting employees ... 28
out of business ... —
no help ... —

Total number of firms submitting reports ... 28

4. Average hours regularly worked per week ... Male: 45
Female: 44

In places of 4,000 to 10,000

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	2	—	2
19c-21c	—	1	4	2	7
21c-25c	1	—	62	—	63
25c-27c	2	—	33	—	35
27c-31c	1	—	77	—	78
31c-33c	1	—	4	—	5
33c-35c	1	—	4	—	5
35c-42c	2	—	71	—	73
42c-52c	7	—	27	—	34
52c-62c	4	—	—	—	4
62c-up	89	—	—	—	89
2. Total number of employees	108	1	284	2	395

3. Number of firms reporting employees ... 38
out of business ... —
no help ... —

Total number of firms submitting reports ... 38

4. Average hours regularly worked per week ... Male: 48
Female: 48

TELEPHONE

Under 4,000 population and rural districts

(over 300 lines)

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	1	—	1
15c-19c	—	—	14	1	15
19c-21c	1	—	49	—	50
21c-25c	2	—	49	1	52
25c-27c	8	—	81	—	89
27c-31c	1	—	37	—	38
31c-33c	1	—	4	—	5
33c-35c	—	—	5	—	5
35c-42c	1	—	19	—	20
42c-52c	1	—	6	—	7
52c-62c	3	—	—	—	3
62c-up	22	—	—	—	22
2. Total number of employees	40	—	265	2	307

3. Number of firms reporting employees 42
out of business .... —
no help .... —

Total number of firms submitting reports 42

4. Average hours regularly worked per week ....Male: 47
Female: 45

Under 4,000 population and rural districts

(50 to 300 lines)

Returns for November 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	17	2	168	1	188
15c-19c	12	2	231	1	246
19c-21c	3	—	67	1	71
21c-25c	—	2	75	—	77
25c-27c	21	1	48	—	70
27c-31c	10	—	15	—	25
31c-33c	2	—	13	—	15
33c-35c	4	—	4	—	8
35c-42c	10	—	16	—	26
42c-52c	21	—	4	—	25
52c-62c	9	—	1	—	10
62c-up	16	—	3	—	19
2. Total number of employees	125	7	645	3	780

3. Number of firms reporting employees 198
out of business 3
no help 2

Total number of firms submitting reports 203

4. Average hours regularly worked per week .... Male: 48
Female: 48

ELECTRIC LIGHT, GAS AND WATER WORKS, HIGHWAYS

(Trucks, Buses and Taxis)

In the City of Toronto

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	3	5	—	—	8
19c-21c	3	7	—	—	10
21c-25c	12	14	—	3	29
25c-27c	13	23	14	2	52
27c-31c	14	22	16	—	52
31c-33c	10	21	7	—	38
33c-35c	42	3	3	—	48
35c-42c	215	8	151	—	374
42c-52c	847	—	228	—	1,075
52c-62c	1,365	—	96	—	1,461
62c-up	4,599	—	45	—	4,644
2. Total number of employees	7,123	103	560	5	7,791

3. Number of firms reporting employees 28
out of business 1
no help 2

Total number of firms submitting reports 31

4. Average hours regularly worked per week .... Male: 50
Female: 42

In other cities over 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	2	1	—	—	3
19c-21c	—	2	1	—	3
21c-25c	—	3	8	—	11
25c-27c	8	1	16	—	25
27c-31c	11	4	8	—	23
31c-33c	9	—	4	—	13
33c-35c	11	1	5	—	17
35c-42c	67	1	77	—	145
42c-52c	310	—	41	—	351
52c-62c	604	—	9	—	613
62c-up	384	—	4	—	388
2. Total number of employees	1,406	13	173	—	1,592

3. Number of firms reporting employees 23
out of business .... —
no help .... —

Total number of firms submitting reports 23

4. Average hours regularly worked per week .... Male: 50
Female: 44

ELECTRIC LIGHT, GAS AND WATER WORKS, HIGHWAYS

(Trucks, Buses and Taxis)

In places of 5,000 to 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	—	—	2
15c-19c	2	3	—	1	6
19c-21c	4	—	2	—	6
21c-25c	10	2	17	—	29
25c-27c	5	1	19	—	25
27c-31c	33	3	4	—	40
31c-33c	17	2	11	—	30
33c-35c	18	—	6	—	24
35c-42c	478	—	71	—	549
42c-52c	659	—	47	—	706
52c-62c	490	—	15	—	505
62c-up	1,190	—	7	—	1,197
2. Total number of employees	2,906	13	199	1	3,119

3. Number of firms reporting employees 93
out of business .... —
no help .... —

Total number of firms submitting reports 93

4. Average hours regularly worked per week ....Male: 50
Female: 42

In places under 5,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	—	—	—
21c-25c	—	—	2	—	2
25c-27c	5	—	3	—	8
27c-31c	6	—	2	—	8
31c-33c	1	—	8	—	9
33c-35c	4	—	4	—	8
35c-42c	579	2	18	—	599
42c-52c	301	—	29	—	330
52c-62c	216	—	6	—	222
62c-up	626	—	4	—	630
2. Total number of employees	1,738	2	76	—	1,816

3. Number of firms reporting employees 49
out of business .... —
no help .... —

Total number of firms submitting reports 49

4. Average hours regularly worked per week ....Male: 50
Female: 47

GARAGES AND SERVICE STATIONS

In the City of Toronto

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	1	—	—	—	1
19c-21c	—	—	—	—	—
21c-25c	1	—	—	—	1
25c-27c	—	—	—	—	—
27c-31c	1	—	1	—	2
31c-33c	2	—	—	—	2
33c-35c	—	—	—	—	—
35c-42c	—	—	—	—	—
42c-52c	1	—	—	—	1
52c-62c	—	—	—	—	—
62c-up	2	—	—	—	2
2. Total number of employees	8	—	1	—	9

3. Number of firms reporting employees	2
out of business	—
no help	—
Total number of firms submitting reports	2

4. Average hours regularly worked per week .... Male: 58
Female: 42

In other places over 50,000

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	—	—	1
15c-19c	—	—	—	—	—
19c-21c	1	—	—	—	1
21c-25c	4	—	—	—	4
25c-27c	2	—	1	—	3
27c-31c	9	2	2	—	13
31c-33c	2	1	2	—	5
33c-35c	3	—	1	—	4
35c-42c	7	1	4	—	12
42c-52c	28	—	2	—	30
52c-62c	39	—	1	—	40
62c-up	44	—	—	—	44
2. Total number of employees	139	5	13	—	157

3. Number of firms reporting employees	8
out of business	—
no help	2
Total number of firms submitting reports	10

4. Average hours regularly worked per week .... Male: 55
Female: 50

GARAGES AND SERVICE STATIONS

In places of 5,000 to 50,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	7	—	—	7
15c-19c	7	1	—	—	8
19c-21c	2	2	2	—	6
21c-25c	6	3	3	—	12
25c-27c	8	3	1	—	12
27c-31c	8	—	4	—	12
31c-33c	8	—	—	—	8
33c-35c	1	—	—	—	1
35c-42c	16	—	7	—	23
42c-52c	59	—	4	—	63
52c-62c	41	—	1	—	42
62c-up	51	—	—	—	51
2. Total number of employees	207	16	22	—	245

3. Number of firms reporting employees	25
out of business	3
no help	4
Total number of firms submitting reports	32

4. Average hours regularly worked per week Male: 60
Female: 45

In places under 5,000

Returns for March 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	—	1	—	2
15c-19c	10	—	2	—	12
19c-21c	—	2	—	2	4
21c-25c	6	2	3	—	11
25c-27c	3	1	5	—	9
27c-31c	3	2	3	—	8
31c-33c	4	—	2	—	6
33c-35c	2	—	2	—	4
35c-42c	12	—	—	—	12
42c-52c	18	—	—	—	18
52c-62c	15	—	—	—	15
62c-up	16	—	1	—	17
2. Total number of employees	90	7	19	2	118

3. Number of firms reporting employees	18
out of business	1
no help	2
Total number of firms submitting reports	21

4. Average hours regularly worked per week Male: 60
Female: 50

CUSTOM TAILORS

In the City of Toronto

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	3	—	—	3
15c-19c	—	2	—	1	3
19c-21c	—	—	—	—	—
21c-25c	1	1	1	—	3
25c-27c	3	2	6	—	11
27c-31c	2	—	15	—	17
31c-33c	2	—	6	—	8
33c-35c	3	—	8	—	11
35c-42c	17	—	13	—	30
42c-52c	29	—	14	—	43
52c-62c	34	—	9	—	43
62c-up	41	—	2	—	43
2. Total number of employees	132	8	74	1	215

3. Number of firms reporting employees 66
out of business 8
no help 64

Total number of firms submitting reports 138

4. Average hours regularly worked per week .... Male: 48
Female: 48

In other cities over 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	4	1	—	5
15c-19c	—	5	—	—	5
19c-21c	1	1	1	—	3
21c-25c	—	—	7	—	7
25c-27c	2	—	15	—	17
27c-31c	1	—	8	—	9
31c-33c	2	—	5	—	7
33c-35c	2	—	5	—	7
35c-42c	5	—	3	—	8
42c-52c	7	—	1	—	8
52c-62c	18	—	1	—	19
62c-up	12	—	—	—	12
2. Total number of employees	50	10	47	—	107

3. Number of firms reporting employees 36
out of business 8
no help 40

Total number of firms submitting reports 84

4. Average hours regularly worked per week .... Male: 48
Female: 47

CUSTOM MILLINERY

In the City of Toronto

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	1	1	2
15c-19c	—	—	2	2	4
19c-21c	—	—	1	1	2
21c-25c	—	—	2	—	2
25c-27c	—	—	1	—	1
27c-31c	—	—	5	—	5
31c-33c	—	—	2	—	2
33c-35c	—	—	20	—	20
35c-42c	—	—	19	—	19
42c-52c	1	—	6	—	7
52c-62c	—	—	5	—	5
62c-up	—	—	—	—	—
2. Total number of employees	1	—	64	4	69

3. Number of firms reporting employees 31
out of business 5
no help .... —

Total number of firms submitting reports 36

4. Average hours regularly worked per week .... Male: 48
Female: 46½

In other cities over 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	—	—	—
21c-25c	—	—	2	—	2
25c-27c	—	—	7	—	7
27c-31c	—	—	2	—	2
31c-33c	—	—	5	—	5
33c-35c	—	—	1	—	1
35c-42c	—	—	1	—	1
42c-52c	—	—	1	—	1
52c-62c	—	—	1	—	1
62c-up	—	—	—	—	—
2. Total number of employees	—	—	20	—	20

3. Number of firms reporting employees 15
out of business 4
no help 3

Total number of firms submitting reports 22

4. Average hours regularly worked per week .... Male: —
Female: 47½

CUSTOM MILLINERY

In places of 4,000 to 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	—	—	2
15c-19c	—	1	—	—	1
19c-21c	—	—	—	—	—
21c-25c	—	—	3	—	3
25c-27c	—	—	4	—	4
27c-31c	—	—	3	—	3
31c-33c	—	—	5	—	5
33c-35c	—	—	6	—	6
35c-42c	—	—	3	—	3
42c-52c	—	—	—	—	—
52c-62c	—	—	—	—	—
62c-up	—	—	—	—	—
2. Total number of employees	—	3	24	—	27

3. Number of firms reporting	
employees	14
out of business	8
no help	—
Total number of firms submitting reports	22

4. Average hours regularly worked per week .... Male: —
Female: 47

CLEANERS AND DYERS

In the City of Toronto

Returns for June 1938

1. Hourly rate of wages:

	Men	Boys	Women	Girls	Total
Under 15c	—	16	4	—	20
15c-19c	2	13	6	1	22
19c-21c	3	13	10	5	31
21c-25c	24	17	29	2	72
25c-27c	21	5	172	1	199
27c-31c	36	13	173	—	222
31c-33c	72	—	29	—	101
33c-35c	57	5	41	—	103
35c-42c	97	1	54	—	152
42c-52c	176	—	18	—	194
52c-62c	84	—	5	—	89
62c-up	64	—	2	—	66
2. Total number of employees	636	83	543	9	1,271

3. Number of firms reporting	
employees	111
out of business	4
no help	13
Total number of firms submitting reports	128

4. Average hours regularly worked per week Male: 50
Female: 46

In other cities over 50,000

Returns for June 1938

1. Hourly rate of wages:

	Men	Boys	Women	Girls	Total
Under 15c	5	5	1	—	11
15c-19c	1	3	—	—	4
19c-21c	—	1	12	2	15
21c-25c	8	3	16	1	28
25c-27c	7	3	60	—	70
27c-31c	18	1	43	—	62
31c-33c	16	—	20	—	36
33c-35c	14	—	21	—	35
35c-42c	32	—	30	—	62
42c-52c	41	—	11	—	52
52c-62c	38	—	3	—	41
62c-up	27	—	—	—	27
2. Total number of employees	207	16	217	3	443

3. Number of firms reporting	
employees	59
out of business	2
no help	3
Total number of firms submitting reports	64

4. Average hours regularly worked per week Male: 50
Female: 50

CLEANERS AND DYERS

In places under 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	11	6	—	18
15c-19c	5	7	11	2	25
19c-21c	5	8	68	—	81
21c-25c	27	5	41	1	74
25c-27c	16	2	43	—	61
27c-31c	34	—	27	—	61
31c-33c	36	2	15	—	53
33c-35c	23	—	23	—	46
35c-42c	56	1	15	—	72
42c-52c	78	—	5	—	83
52c-62c	37	—	1	—	38
62c-up	13	—	—	—	13
2. Total number of employees	331	36	255	3	625

3. Number of firms reporting	
employees	102
out of business	6
no help	9
Total number of firms submitting reports	117

4. Average hours regularly worked per week Male: 51
Female: 49

LAUNDRIES

In the City of Toronto

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	2	8	1	1	12
15c-19c	6	8	18	8	40
19c-21c	12	4	14	4	34
21c-25c	32	3	32	1	68
25c-27c	17	2	827	1	847
27c-31c	43	2	179	—	224
31c-33c	23	—	92	—	115
33c-35c	30	—	40	—	70
35c-42c	94	—	102	—	196
42c-52c	128	—	24	—	152
52c-62c	84	—	6	—	90
62c-up	69	—	11	—	80
2. Total number of employees	540	27	1,346	15	1,928

3. Number of firms reporting employees	85
out of business	8
no help	6
Total number of firms submitting reports	99

4. Average hours regularly worked per week .... Male: 49
Female: 48

In other cities over 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	1	3	—	—	4
15c-19c	2	—	6	1	9
19c-21c	—	6	12	—	18
21c-25c	9	3	94	2	108
25c-27c	16	2	352	4	374
27c-31c	11	—	74	—	85
31c-33c	14	1	34	—	49
33c-35c	26	—	28	—	54
35c-42c	48	2	44	—	94
42c-52c	66	—	8	—	74
52c-62c	48	—	3	—	51
62c-up	52	—	1	—	53
2. Total number of employees	293	17	656	7	973

3. Number of firms reporting employees	43
out of business	8
no help	—
Total number of firms submitting reports	51

4. Average hours regularly worked per week .... Male: 49½
Female: 49

LAUNDRIES

In places under 50,000

Returns for June 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	5	2	—	2	9
15c-19c	6	12	41	26	85
19c-21c	5	9	38	6	58
21c-25c	9	1	351	39	400
25c-27c	10	1	93	1	105
27c-31c	12	4	62	—	78
31c-33c	22	—	17	—	39
33c-35c	14	—	11	—	25
35c-42c	25	—	12	—	37
42c-52c	54	—	5	—	59
52c-62c	45	—	11	—	56
62c-up	51	—	—	—	51
2. Total number of employees	258	29	641	74	1,002

3. Number of firms reporting employees	67
out of business	1
no help	5
Total number of firms submitting reports	78

4. Average hours regularly worked per week	Male:	50
	Female:	49

HOTELS

In the City of Toronto

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	32	81	1	—	114
15c-19c	36	29	1	—	66
19c-21c	31	4	10	—	45
21c-25c	185	17	17	—	219
25c-27c	202	3	387	—	592
27c-31c	179	—	297	—	476
31c-33c	135	—	72	—	207
33c-35c	126	—	55	—	181
35c-42c	531	—	127	—	658
42c-52c	371	—	68	—	439
52c-62c	124	—	20	—	144
62c-up	168	—	12	—	180
2. Total number of employees	2,120	134	1,067	—	3,321

3. Number of firms reporting employees	130
out of business	8
no help	—
Total number of firms submitting reports	138

4. Average hours regularly worked per week Male: 55
Female: 49

In other cities over 50,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	68	—	—	71
15c-19c	29	7	3	—	39
19c-21c	43	1	—	—	44
21c-25c	115	3	44	—	162
25c-27c	152	1	361	—	514
27c-31c	244	2	139	—	385
31c-33c	106	—	33	—	139
33c-35c	151	—	35	—	186
35c-42c	267	—	58	—	325
42c-52c	224	—	36	—	260
52c-62c	70	—	10	—	80
62c-up	127	—	8	—	135
2. Total number of employees	1,531	82	727	—	2,340

3. Number of firms reporting employees	182
out of business	8
no help	1
Total number of firms submitting reports	191

4. Average hours regularly worked per week Male: 51
Female: 47½

HOTELS

In places of 10,000 to 50,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	22	77	—	—	99
15c-19c	34	30	2	—	66
19c-21c	71	7	27	—	105
21c-25c	123	10	470	—	603
25c-27c	119	—	212	—	331
27c-31c	215	3	187	—	405
31c-33c	88	1	41	—	130
33c-35c	120	—	28	—	148
35c-42c	335	—	55	—	390
42c-52c	213	—	34	—	247
52c-62c	73	—	8	—	81
62c-up	73	—	7	—	80
2. Total number of employees	1,486	128	1,071	—	2,685

3. Number of firms reporting employees	231
out of business	8
no help	5
Total number of firms submitting reports	244

4. Average hours regularly worked per week ..... Male: 54
Female: 51

In places of 4,000 to 10,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	4	6	4	—	14
15c-19c	19	12	15	—	46
19c-21c	39	2	131	—	172
21c-25c	74	—	257	—	331
25c-27c	48	1	59	—	108
27c-31c	102	—	56	—	158
31c-33c	30	—	29	—	59
33c-35c	60	—	16	—	76
35c-42c	95	—	16	—	111
42c-52c	72	—	15	—	87
52c-62c	14	—	3	—	17
62c-up	9	—	3	—	12
2. Total number of employees	566	21	604	—	1,191

3. Number of firms reporting employees	146
out of business	5
no help	4
Total number of firms submitting reports	155

4. Average hours regularly worked per week ..... Male: 53
Female: 53

RESTAURANTS AND TEA ROOMS

In the City of Toronto

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	6	14	3	—	23
15c-19c	60	9	3	—	72
19c-21c	68	7	8	—	83
21c-25c	235	16	66	—	317
25c-27c	186	25	828	3	1,042
27c-31c	362	40	1,287	1	1,690
31c-33c	206	17	227	—	450
33c-35c	157	6	201	—	364
35c-42c	322	2	383	14	721
42c-52c	179	—	104	—	283
52c-62c	74	—	35	—	109
62c-up	80	—	20	—	100
2. Total number of employees	1,935	136	3,165	18	5,254

3. Number of firms reporting	
employees	686
out of business	55
no help	75
Total number of firms submitting reports	816

4. Average hours regularly worked per week Male: 69
Female: 49

In other cities over 50,000

Returns for September 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	15	7	3	—	25
15c-19c	51	7	18	—	76
19c-21c	82	3	128	—	213
21c-25c	120	3	291	—	414
25c-27c	101	—	191	—	292
27c-31c	116	2	64	—	182
31c-33c	49	1	29	—	79
33c-35c	35	—	36	—	71
35c-42c-	72	—	13	—	85
42c-52c	31	—	6	—	37
52c-62c	15	—	2	—	17
62c-up	11	—	—	—	11
2. Total number of employees	698	23	781	—	1,502

3. Number of firms reporting	
employees	136
out of business	20
no help	50
Total number of firms submitting reports	206

4. Average hours regularly worked per week Male: 66
Female: 50

RESTAURANTS AND TEA ROOMS

In places of 10,000 to 50,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	18	7	4	—	29
15c-19c	48	8	2	—	58
19c-21c	61	—	18	—	79
21c-25c	123	3	691	—	817
25c-27c	79	4	229	—	312
27c-31c	118	1	101	—	220
31c-33c	41	—	29	—	70
33c-35c	35	—	17	—	52
35c-42c	81	—	40	—	121
42c-52c	54	—	7	—	61
52c-62c	20	—	2	—	22
62c-up	6	—	3	—	9
2. Total number of employees	684	23	1,143	—	1,850

3. Number of firms reporting	employees	317
	out of business	30
	no help	25
Total number of firms submitting reports		372

4. Average hours regularly worked per week .... Male: 62
Female: 51

In places of 4,000 to 10,000

Returns for October 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	7	—	1	—	8
15c-19c	6	—	10	—	16
19c-21c	17	1	117	—	135
21c-25c	27	1	94	—	122
25c-27c	18	—	30	—	48
27c-31c	18	—	13	—	31
31c-33c	2	—	—	—	2
33c-35c	8	—	6	—	14
35c-42c	19	—	2	—	21
42c-52c	9	—	—	—	9
52c-62c	3	—	—	—	3
62c-up	2	—	1	—	3
2. Total number of employees	136	2	274	—	412

3. Number of firms reporting	employees	116
	out of business	15
	no help	28
Total number of firms submitting reports		159

4. Average hours regularly worked per week .... Male: 62
Female: 50

HAIRDRESSING AND BEAUTY PARLOURS

In the City of Toronto

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	11	4	16
15c-19c	1	2	19	4	26
19c-21c	1	1	15	3	20
21c-25c	1	—	39	—	40
25c-27c	1	2	170	—	173
27c-31c	5	—	151	1	157
31c-33c	6	—	89	—	95
33c-35c	2	1	63	—	66
35c-42c	13	—	122	—	135
42c-52c	30	—	58	—	88
52c-62c	22	—	36	—	58
62c-up	42	—	23	—	65
2. Total number of employees	124	7	796	12	939

3. Number of firms reporting employees	311
out of business	19
no help	26
Total number of firms submitting reports	356

4. Average hours regularly worked per week ...... Male: 48
Female: 48

In other cities over 50,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	12	3	15
15c-19c	—	—	7	2	9
19c-21c	1	—	9	—	10
21c-25c	1	—	35	—	36
25c-27c	2	—	89	—	91
27c-31c	1	—	53	—	54
31c-33c	—	—	42	—	42
33c-35c	2	—	19	—	21
35c-42c	6	—	35	—	41
42c-52c	7	—	23	—	30
52c-62c	8	—	9	—	17
62c-up	13	—	7	—	20
2. Total number of employees	41	—	340	5	386

3. Number of firms reporting employees	161
out of business	17
no help	45
Total number of firms submitting reports	233

4. Average hours regularly worked per week ...... Male: 48
Female: 48

HAIRDRESSING AND BEAUTY PARLOURS

In places of 10,000 to 50,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	13	5	18
15c-19c	—	—	20	3	23
19c-21c	—	—	6	—	6
21c-25c	1	—	74	—	75
25c-27c	—	—	38	1	39
27c-31c	3	1	28	—	32
31c-33c	2	—	13	—	15
33c-35c	1	—	13	—	14
35c-42c	3	—	24	—	27
42c-52c	3	—	21	—	24
52c-62c	2	—	3	—	5
62c-up	6	—	4	—	10
2. Total number of employees	21	1	257	9	288

3. Number of firms reporting employees	158
out of business	5
no help	32
Total number of firms submitting reports	195

4. Average hours regularly worked per week ..... Male: 49
Female: 49

In places of 5,000 to 10,000

Returns for July 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	5	—	5
15c-19c	—	—	3	—	3
19c-21c	—	—	17	1	18
21c-25c	—	—	13	—	13
25c-27c	1	—	15	—	16
27c-31c	—	—	13	—	13
31c-33c	3	—	5	—	8
33c-35c	1	—	1	—	2
35c-42c	3	—	10	—	13
42c-52c	—	—	4	—	4
52c-62c	1	—	2	—	3
62c-up	1	—	1	—	2
2. Total number of employees	10	—	89	1	100

3. Number of firms reporting employees	59
out of business	5
no help	20
Total number of firms submitting reports	84

4. Average hours regularly worked per week ..... Male: 48½
Female: 48½

PROFESSIONAL SERVICES

Office Workers

In the City of Toronto

Returns for December 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	6	8	2	—	16
15c-19c	1	8	2	—	11
19c-21c	1	3	1	—	5
21c-25c	2	3	7	—	12
25c-27c	5	1	62	—	68
27c-31c	10	2	35	1	48
31c-33c	6	1	34	—	41
33c-35c	1	—	15	—	16
35c-42c	10	1	161	—	172
42c-52c	22	—	161	—	183
52c-62c	30	—	77	—	107
62c-up	183	—	50	—	233
2. Total number of employees	277	27	607	1	912

3. Number of firms reporting	employees	287
	out of business	6
	no help	53
Total number of firms submitting reports		346

4. Average hours regularly worked per week .... Male: 40
Female: 40

In other cities over 50,000

Returns for December 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	1	—	3
15c-19c	—	—	3	—	3
19c-21c	1	—	2	—	3
21c-25c	1	—	20	—	21
25c-27c	3	1	47	—	51
27c-31c	1	—	29	—	30
31c-33c	1	—	26	—	27
33c-35c	—	—	16	—	16
35c-42c	3	—	55	—	58
42c-52c	5	—	56	—	61
52c-62c	6	—	17	—	23
62c-up	10	—	17	—	27
2. Total number of employees	31	3	289	—	323

3. Number of firms reporting	employees	202
	out of business	4
	no help	80
Total number of firms submitting reports		286

4. Average hours regularly worked per week .... Male: 41
Female: 41

PROFESSIONAL SERVICES

Office Workers

In places of 5,000 to 50,000

Returns for December 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	1	1	—	2
15c-19c	1	—	11	4	16
19c-21c	—	—	11	1	12
21c-25c	1	—	86	3	90
25c-27c	1	—	62	—	63
27c-31c	—	—	50	—	50
31c-33c	3	—	51	—	54
33c-35c	1	—	35	—	36
35c-42c	3	—	62	1	66
42c-52c	4	—	54	1	59
52c-62c	2	—	16	—	18
62c-up	8	—	3	—	11
2. Total number of employees	24	1	442	10	477

3. Number of firms reporting employees	305
out of business	10
no help	51
Total number of firms submitting reports	366

4. Average **hours** regularly worked per week ....Male: 48
Female: 42

In places under 5,000

Returns for December 1938

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	1	1	2
15c-19c	—	—	5	—	5
19c-21c	—	—	4	—	4
21c-25c	1	—	17	—	18
25c-27c	—	—	10	—	10
27c-31c	—	—	3	—	3
31c-33c	—	—	3	—	3
33c-35c	—	—	5	—	5
35c-42c	—	—	2	—	2
42c-52c	—	—	—	—	—
52c-62c	—	—	—	—	—
62c-up	—	—	—	—	—
2. Total number of employees	1	—	50	1	52

3. Number of firms reporting employees	45
out of business	—
no help	11
Total number of firms submitting reports	56

4. Average hours regularly worked per week ....Male: 41
Female: 41

FINANCIAL AND CLERICAL

Office Workers

In the City of Toronto

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	—	—	2
15c-19c	—	9	—	2	11
19c-21c	14	1	1	—	16
21c-25c	34	36	16	—	86
25c-27c	47	8	85	3	143
27c-31c	66	11	129	—	206
31c-33c	34	5	66	—	105
33c-35c	48	—	69	—	117
35c-42c	96	3	584	1	684
42c-52c	376	—	458	—	834
52c-62c	303	2	202	—	507
62c-up	1,032	—	195	—	1,227
2. Total number of employees	2,050	77	1,805	6	3,938

3. Number of firms reporting employees	234
out of business	4
no help	2
Total number of firms submitting reports	240

4. Average hours regularly worked per week Male: 42
Female: 40

In other cities over 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	2	—	—	2
15c-19c	1	4	2	2	9
19c-21c	2	7	1	—	10
21c-25c	7	4	7	—	18
25c-27c	5	2	56	—	63
27c-31c	12	3	32	—	47
31c-33c	11	2	16	—	29
33c-35c	15	—	27	—	42
35c-42c	23	—	76	—	99
42c-52c	71	—	33	—	104
52c-62c	54	—	14	—	68
62c-up	128	—	6	—	134
2. Total number of employees	329	24	270	2	625

3. Number of firms reporting employees	89
out of business	—
no help	1
Total number of firms submitting reports	90

4. Average hours regularly worked per week Male: 40
Female: 40

FINANCIAL AND CLERICAL

Office Workers

In places of 5,000 to 50,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	3	1	—	—	4
15c-19c	1	—	3	—	4
19c-21c	1	—	5	—	6
21c-25c	1	2	22	—	25
25c-27c	1	1	15	—	17
27c-31c	4	—	6	—	10
31c-33c	2	—	6	—	8
33c-35c	—	—	4	—	4
35c-42c	17	—	55	—	72
42c-52c	38	1	29	—	68
52c-62c	23	—	13	—	36
62c-up	81	—	6	—	87
2. Total number of employees	172	5	164	—	341

3. Number of firms reporting	
employees	87
out of business	8
no help	4
Total number of firms submitting reports	99

4. Average hours regularly worked per week Male: 42
Female: 41

In places under 5,000

Returns for January 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	—	—	—	—
15c-19c	—	—	—	—	—
19c-21c	—	—	—	—	—
21c-25c	—	—	2	—	2
25c-27c	—	—	—	—	—
27c-31c	—	—	—	—	—
31c-33c	—	—	2	—	2
33c-35c	—	—	—	—	—
35c-42c	—	—	1	—	1
42c-52c	5	—	—	—	5
52c-62c	1	—	—	—	1
62c-up	6	—	—	—	6
2. Total number of employees	12	—	5	—	17

3. Number of firms reporting	
employees	6
out of business	2
no help	—
Total number of firms submitting reports	8

4. Average hours regularly worked per week Male: 43
Female: 41

BROKERS

In the City of Toronto

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	4	3	—	—	7
15c-19c	6	12	—	—	18
19c-21c	7	7	1	1	16
21c-25c	45	22	6	—	73
25c-27c	60	11	29	—	100
27c-31c	69	16	15	1	101
31c-33c	129	4	16	—	149
33c-35c	59	4	8	—	71
35c-42c	145	4	259	—	408
42c-52c	333	1	222	—	556
52c-62c	313	—	128	—	441
62c-up	936	—	67	—	1,003
2. Total number of employees	2,106	84	751	2	2,943

3. Number of firms reporting	
employees	221
out of business	96
no help	36
Total number of firms submitting reports	353

4. Average hours regularly worked per week ..... Male: 40
Female: 38

In other cities over 50,000

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	8	—	—	8
15c-19c	—	1	2	—	3
19c-21c	2	—	—	—	2
21c-25c	18	2	2	—	22
25c-27c	12	1	7	—	20
27c-31c	8	—	6	—	14
31c-33c	10	—	3	—	13
33c-35c	4	—	3	—	7
35c-42c	5	—	28	—	33
42c-52c	14	—	22	—	36
52c-62c	10	1	1	—	12
62c-up	65	—	5	—	70
2. Total number of employees	148	13	79	—	240

3. Number of firms reporting	
employees	54
out of business	16
no help	14
Total number of firms submitting reports	84

4. Average hours regularly worked per week ..... Male: 38
Female: 40

BROKERS

In places of 5,000 to 50,000

Returns for February 1939

1. Hourly rate of wages:	Men	Boys	Women	Girls	Total
Under 15c	—	6	—	—	6
15c-19c	4	2	—	—	6
19c-21c	2	1	1	—	4
21c-25c	3	1	5	—	9
25c-27c	4	—	6	—	10
27c-31c	2	—	5	—	7
31c-33c	9	—	2	—	11
33c-35c	5	—	1	—	6
35c-42c	2	—	10	—	12
42c-52c	11	—	7	—	18
52c-62c	16	—	—	—	16
62c-up	42	—	2	—	44
2. Total number of employees	100	10	39	—	149

3. Number of firms reporting employees	42
out of business	14
no help	7
Total number of firms submitting reports	63

4. Average hours regularly worked per week Male: 40
Female: 39

APPENDIX

STRIKES AND LOCKOUTS IN ONTARIO, FISCAL YEAR 1939

(From figures published in Labour Gazette)

Industries	Number of disputes in progress	Number of persons involved	Aggregate duration in working days
Agriculture	1	10	90
Manufacturing—			
Boots and shoes	3	875	4,725
Fur and leather	3	61	1,452
Metal products	7	657	12,668
Non-metallic minerals	1	20	180
Printing and publishing	3	47	1,267
Rubber	3	1,152	23,120
Textile and clothing	8	562	10,434
Tobacco and liquors	1	9	334
Vegetable foods	2	86	462
Wood—miscellaneous	6	843	17,761
Miscellaneous	1	16	120
Construction—			
Building and structures	6	141	279
Transportation and public utilities—			
Local	1	720	6,000
Steam railway	1	80	60
Water	1	230	460
Miscellaneous	1	56	56
Trade	2	10	42
Service—			
Custom and repair	1	150	450
Business and personal	2	70	7,037
Totals—1939	54	5,795	86,997
” —1938	127	22,749	294,906
” —1937	78	13,251	148,929
” —1936	50	9,120	78,511
” —1934	94	18,198	256,311
” —1933	39	7,380	109,240
” —1932	26	2,432	50,401
” —1931	18	2,827	66,268
” —1930	21	4,315	50,513
” —1929	43	5,175	75,870
” —1928	52	5,622	59,889
” —1927	25	4,403	56,695
” —1926	17	1,839	46,402
” —1925	21	2,499	27,477
” —1924	19	3,943	95,196
” —1923	16	1,946	198,319
” —1922	23	2,712	367,893
” —1921	53	10,800	521,210

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
Carried Over From Previous Year					
Toronto	Fur factory workers	Mar. 4	Against employment of members of another union; working conditions no longer affected by May 31; replacement; in favour of employer.	23	675
Toronto	Fur factory workers	Mar. 17	Against sending work to a shop employing members of another union; working conditions no longer affected by May 31; in favour of employer.	25	725
Toronto	Car factory workers	Mar. 2	Against lay-off of union workers and for union agreement; terminated May 3; negotiations; workers reinstated; compromise.	8	216
Toronto	Commercial artists	Mar. 29	For renewal of union agreement; terminated May 5; return of workers; in favour of employer.	23	667
Commenced During Fiscal Year					
Toronto	Commercial artists	Apr. 4	For union recognition, increased wages and reduced hours; terminated April 30; return of workers; in favour of employer.	17	425
Mattawa	Wood factory workers	Apr. 2	For increased wages; terminated April 4; conciliation (provincial and municipal); in favour of workers.	63	126
Fort Frances	Sawmill workers	Apr. 15	Against reduction in wages and for renewal of agreement; terminated June 6; conciliation (provincial); compromise.	385	15,815
Kingston	Stonemasons	Apr. 1	For increased wages; terminated April 1; return of workers; in favour of employer.	11	11

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939
Continued

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
Kingston	Stonecutters	Apr. 1	For increased wages; terminated April 2; return of workers; in favour of employer.	24	48
Toronto	Taxicab drivers	Apr. 7	For increased wages, reduced hours and union recognition; terminated April 25; conciliation (provincial); partially successful.	720	6.000
Hamilton	Bakers	May 27	Against reduction in wages and for renewal of union agreement; employment conditions no longer affected by July 31; in favour of employer.	4	216
Hespeler	Wood factory workers	May 26	Misunderstanding as to piece work rates; terminated May 28; negotiations; in favour of employer.	21	53
Timmins	Sawmill workers	May 31	For increased wages; terminated June 6; conciliation (provincial); compromise.	200	1,200
Eastview	Labourers	May 18	Against reduction in wages; terminated May 19; negotiations; in favor of workers.	70	140
Eastview	Painters	May 18	Sympathy with labourers on strike the same day; terminated May 19; negotiations; in favour of workers.	15	30
Port Colborne	Grain shovellers	May 2	For increased wage rates; terminated May 2; negotiations; compromise.	56	56
Galt	Shoe factory workers	June 22	Against discharge of workers following introduction of new system; terminated July 9; negotiations; compromise.	125	1,875
Hamilton	Hosiery factory workers	June 1	For wage agreement and against bonus system; terminated July 4; negotiations; compromise; shop committee recognized and wages adjusted.	118	2,936

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939
Continued

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
Toronto	Matting factory workers	June 14	For increase in wages and union recognition; terminated June 22; negotiations and conciliation (provincial); in favour of workers.	16	120
Toronto	Milk wagon drivers	June 11	Against changes in conditions under new management; terminated June 11; replacement of workers; in favour of employer.	6	6
Ottawa	Garage mechanics	June 6	For union agreement with increased wages and reduced hours; terminated June 8; conciliation (provincial); compromise.	150	450
Toronto	Restaurant employees	June 15	Discharge of workers alleged to be for union activity; terminated November 3; conciliation (provincial); in favour of employer.	65	7,025
Kitchener	Greenhouse employees	July 25	Against reduction in weekly wages; terminated August 3; conciliation (municipal); in favour of workers.	10	90
Port Colborne	Shoe factory workers	July 11	Against alleged practice of sending work to a non-union sub-contractor; terminated July 11; negotiations: compromise.	450	450
Toronto	Hat factory workers	July 5	For union recognition and increased wages; terminated July 27; conciliation (provincial); compromise.	15	300
Guelph	Hat factory workers	July 13	For increased wages, reduced hours, reinstatement of workers and recognition of union; terminated July 27; conciliation (provincial); in favour of workers.	250	2,750

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939
Continued

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
St. Catharines	Knitting factory workers	July 30	Alleged discrimination against two union members; and for increased wages, reduced hours and union agreement; terminated October 13; conciliation (municipal); compromise.	54	3,452
Guelph	Stove factory workers	July 25	Refusal to work with defaulting member of union; terminated July 29; negotiations; union fees paid by worker concerned; in favour of workers.	50	250
Toronto	Painters, carpenters	July 22	For employment of union members only; terminated July 23; negotiations; in favour of workers.	11	10
Newmarket	Clothing factory workers (dressmakers)	Aug. 3	Alleged violation of agreement when plant moved; employment conditions no longer affected by September 30; replacement; in favour of employer.	14	450
Toronto	Hat factory workers	Aug. 19	For recognition of union; terminated August 22; conciliation (provincial); compromise.	82	246
Windsor	Foundry workers (automobile parts)	Aug. 3	For closed shop union agreement, adjustment of wage rates and against discharge of union workers; terminated October 31; conciliation (provincial); in favour of employer.	150	8,850
Owen Sound	Iron and steel factory workers	Aug. 16	For increased wages, reduced hours and holidays with pay; terminated August 24; conciliation (provincial); compromise.	71	568
Dundas	Furniture factory workers (show cases, etc.)	Aug. 24	For increased wages and union agreement; terminated August 27; negotiations; compromise.	59	236

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939
Continued

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
London	Lithographers	Aug. 31	For increased rates of pay for overtime and against dismissal of union employee; employment conditions no longer affected by September 30; replacement; in favour of employer.	7	175
Toronto	Fur workers	Oct. 20	Alleged violation of agreement; terminated October 24; negotiations; compromise.	13	52
Humberstone	Shoe factory workers	Oct. 21	Alleged discrimination against union workers and for rotation in employment; terminated October 29; conciliation (provincial); compromise; employment by seniority.	300	2,400
Hanover	Furniture factory workers	Oct. 25	For payment of union dues by assistant foreman and against refusal to meet shop committee; terminated November 1; conciliation (provincial); in favour of workers.	115	331
Oshawa	Automobile parts factory workers	Oct. 11	For renewal of agreement; terminated October 26; conciliation (provincial); wages and conditions to be as previously; any disputes to be arbitrated; compromise.	60	800
Windsor	Automobile factory workers	Oct. 13	For union recognition; terminated October 22; conciliation (provincial); compromise.	200	1,500
Windsor	Automobile parts factory workers	Oct. 17	Sympathy with automobile workers on strike October 13; terminated October 22; conciliation (provincial); compromise.	92	500
Windsor	Automobile parts factory workers	Oct. 18	Against discharge of worker for union discrimination; terminated October 24; conciliation (provincial); indefinite.	34	200

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939

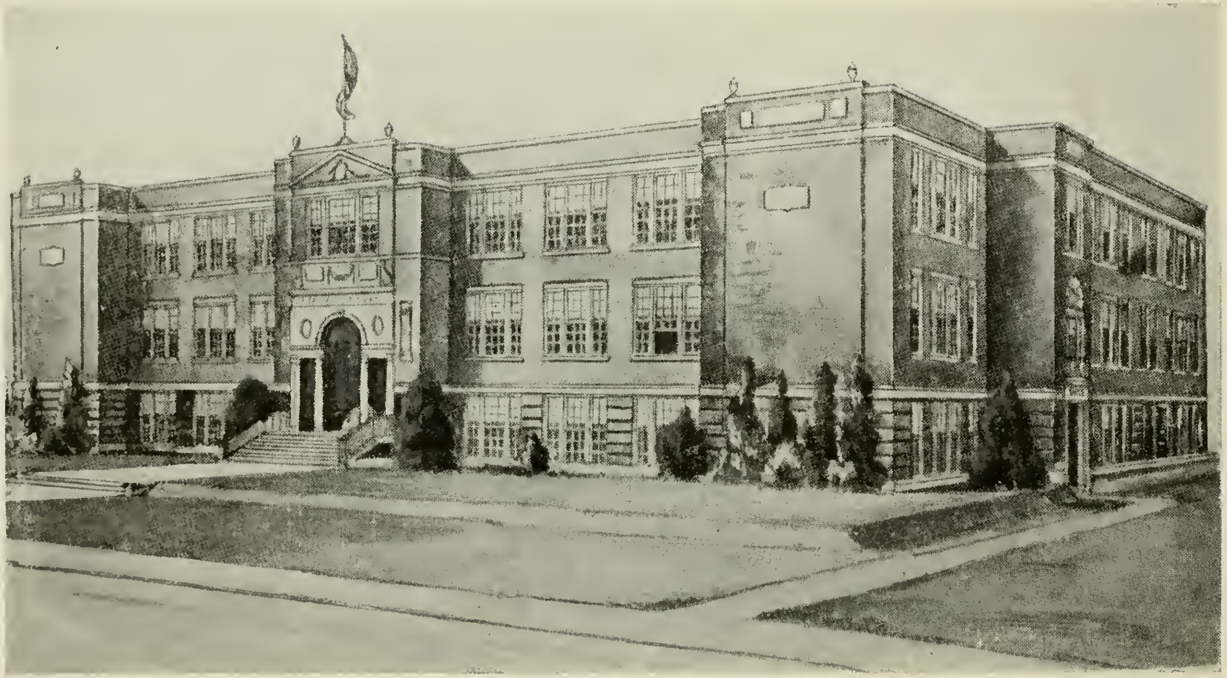
Continued

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
Windsor	Glass factory workers	Oct. 17	For improvements in wages and working conditions; terminated October 26; conciliation (provincial); compromise.	20	180
Port McNicoll	Freight handlers and longshoremen	Oct. 6	For agreement providing for increased wages and improved conditions; terminated October 7; conciliation (federal); compromise.	230	460
Toronto	Winery employees	Oct. 3	Against hiring additional employees while present staff working only part time; employment conditions no longer affected early in December; indefinite.	9	334
Port Arthur and Fort William	Bakery workers and drivers	Nov. 27	For closed shop union agreement with increased wages and reduced hours; terminated November 30; conciliation (municipal); in favour of workers.	82	246
Kitchener	Rubber factory workers	Dec. 6	Against change in wages, piece rates with new equipment, alleged to lower earnings; terminated December 10; negotiations; compromise.	15	60
Barriefield	Carpenters	Dec. 7	For employment of local carpenters to lay floors; terminated December 10; negotiations; in favour of workers.	10	40
Toronto	Hotel employees	Dec. 1	For renewal of agreement; terminated December 3; return of workers pending negotiations; indefinite.	5	12
Kitchener	Rubber factory workers	Jan. 13 1939	Against allegedly reduced earnings under new system of operations; terminated January 13; negotiations; indefinite.	137	60

STRIKES AND LOCKOUTS IN ONTARIO DURING THE FISCAL YEAR 1939

Continued

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in working days
Windsor	Cap and glove factory workers	Jan. 27	Alleged lockout re reinstatement of workers, union agreement, etc; terminated February 1; conciliation (wholesale merchant); in favour of workers.	21	84
Kitchener	Rubber factory workers	Feb. 8	For union agreement, increased wages, etc; terminated March 10; conciliation (provincial); union agreement signed; wage increase to be arbitrated; indefinite.	1,000	23,000
Brockville	Labourers (snow shovellers)	Feb. 23	For increase in wages; terminated February 23; return of workers and replacement; in favour of employer.	80	60
Toronto	Stationary engineers (dairy)	Mar. 2	For union agreement and increased wages; employment conditions no longer affected by March 11; replacement; in favour of employer.	4	36
Totals			54 strikes	5,795	86,997



Chatham's New Collegiate Institute

This modern Secondary School was opened on September 26th, 1940, by the Minister of Education, Honourable Duncan McArthur, M.A., LL.D. Its many special features include a construction adapted to the rotary system, unit classroom heating and ventilating, public address system connecting all rooms, home economics and general shop facilities, auditorium and cafeteria. Its cost was approximately $250,000, raised by 10-year debentures.

REPORT

OF THE

Minister of Education
Province of Ontario

FOR THE YEAR

1939

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REPORT

OF THE

Minister of Education

FOR THE YEAR 1939

To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

Your Honour,—

I beg leave to present to your Honour the Report of the Department of Education for the year 1939.

During the year under review, the Department of Education was administered by the late Dr. Leonard J. Simpson, Minister of Education of the Province of Ontario for six years, from 1934 until his sudden death in August, 1940. The members of the staff of the Department mourn the loss not only of an able administrator, but of a sincere friend. The late Dr. Simpson brought to the discharge of the duties of his office a particularly rich experience. He spent his youth on a farm in Simcoe County, where he learned at first hand of the problems associated with farm life. He received his early education in a rural school, and after attending Model School at Bradford, he returned to a country school as teacher. He took his degree in medicine, spent a little more than a year as company doctor at a mine near Sudbury, and then took up residence once more in Simcoe County, where he practised in both rural and urban communities. While a citizen of Barrie, he became a member of the Board of Education, and for ten years was actively interested in the administration of the schools of that town. He knew intimately the attitude of parents to the problems of education and of attendance at school. His experience as a physician gave him an insight into the understanding of human character.

There were two qualities of mind which, in my opinion, were preeminently characteristic of the late Dr. Simpson—kindness and a sense of justice. He found it easier to like a person than to dislike him. He preferred to assume that those who had dealings with him were honest and well-intentioned until the contrary was established. He was singularly fair-minded, and was always disinclined to reach a decision without careful and mature deliberation. He was firmly convinced of the importance of the personality of the teacher in education, and, for that reason, was inclined to regard the adequate training of teachers as one of the most serious obligations of the State. He took special interest in the enrichment of the curricula of both elementary and secondary schools, and in the addition of cultural and practical courses of study. He gave of himself unstintingly to his duties in the Department, and won the esteem and confidence of all members of its staff. In the face of increasingly serious illness, he chose to remain at his post. In his death, the Province has lost a devoted public servant.

Courses of Study and Examinations

During the years 1937 and 1938, revised courses of study were issued for Grades I to X of Ontario schools. In 1939, this revision was extended to the end of Grade XI. In all three years the attention of classroom teachers, principals, and inspectors has been directed towards putting the new programme into effective practice. Reports from the inspectoral staffs of both elementary and secondary schools indicate that substantial progress is being made. The cooperation of Boards of Trustees in providing accommodations for the practical courses in General Shop Work and Home Economics and in purchasing the much needed books for school libraries has been particularly helpful.

In the report of the Provincial Supervisor of Music, it will be noted that 68 per cent. of the elementary classrooms in the Province now receive special instruction in the subject of music, compared to 62.2 per cent. in 1937-38, and to 43.2 per cent. in 1934-35. In the secondary school field, 53 per cent. of the schools provided courses in music in 1938-39, compared to 25 per cent. in 1937-38.

Effective after June, 1939, all departmental examinations for the Middle School courses (Grades XI and XII) were discontinued. Standing in subjects of these grades is now determined by reports submitted by the school principals, and students recommended for at least 50 per cent. in the various subjects are granted departmental certificates. This extension of the recommendation system in the Middle School is accompanied, however, by a ruling that, after 1940, all candidates for Upper School examinations (Grade XIII) must write departmental papers in the subjects in which they seek standing.

Teacher Training

The registration at the Normal Schools increased from 990 in 1938-39 to 1,247 in the 1939-40 session. This increase has been ascribed to the fact that the teaching field now offers fairly definite opportunities for prompt employment. In the larger centres during 1939 the number of available teachers just about equalled the demand. In the districts and more remote counties a scarcity of qualified teachers was becoming evident.

Courses of study of the Normal Schools were revised during the year. For purposes of instruction and examination the number of subjects was reduced from fifteen to ten, and an effort was made to emphasize the application of principles of educational method common to all branches of the curriculum. Provision was also made for four full weeks of apprentice-teaching during the year. Two of these weeks of continuous observation and practice teaching were spent in rural schools, and two in urban classrooms. Inspectors report that teachers just entering the profession are adapting themselves to their duties with unusual readiness as a result of this extension of practical training.

In April, 1939, a committee of representative kindergarten teachers was appointed to enquire into the matter of providing adequate training for kindergarten teachers. The report submitted by the committee recommended that the work of the nursery school, kindergarten, Grade I, and Grade II be recognized as constituting a unit to be known as the Primary School, and that a training course be provided leading to the certificate of Primary School Specialist. Such a course was organized in the Toronto Normal School for the year 1939-40, the requirements for admission being either a degree from a recognized British University, or a First Class teacher's certificate. The course is attracting teachers and students with special training in music who wish to specialize in teaching children of kindergarten and primary grades. Generous provision is made for practice teaching, eight full weeks being devoted to continuous observation and practice in kindergarten and primary classrooms, in addition to three half-days in each of the other weeks of the course.

The Department has adopted the policy of interchanging inspectors and Normal School masters with a view to affording the Normal School masters further acquaintance with administrative and classroom situations as they exist, and the inspectors with experience in training teachers by methods which will prove useful when continuing the training work in the field. Six exchanges were arranged in September 1939, and these were so successful, that the practice will be continued.

The percentage of French-speaking teachers holding First or Second Class teaching certificates continues to increase. In 1939 the percentage of teachers so qualified was 91.43 compared with 86.24 per cent. in 1938, and with 25.11 per cent. ten years ago.

The plan of appointing Supervising Teachers to assist local inspectors, and to lend special help to inexperienced teachers has worked out in a satisfactory way. Closer touch is being maintained with the work of the classrooms, while more of the inspector's time is freed for the larger problems in his inspectorate. Carleton and Lanark were the first counties to be so served, and appointments were made in 1939 to Elgin, Kent, and Wentworth.

Larger Units of Administration

The Report of the Committee of Enquiry into the Cost of Education in the Province of Ontario, published in 1938, stated that the Committee was unable to recommend the immediate adoption generally throughout the Province of any different type of unit of administration for rural public schools, but did recommend that specific encouragement should be given to the undertaking of experiments with different types of larger units of administration for the purpose of determining the merits of such larger units as compared with the then existing system of organization. Such specific encouragement was given in 1938 by the announcement that an additional legislative grant of $100 would be paid annually to each school section becoming a part of a larger area.

The interest aroused by this announcement, in conjunction with a growing recognition of the advantages of the larger administrative unit, stimulated the trend towards the formation of township school areas, with the result that fourteen units were added in 1938 to the fourteen in previous operation. In 1939, forty-seven additional areas were created by voluntary action on the part of the municipalities concerned. The total number of larger units at the end of the year stood at seventy-five, and included in these were 373 former individual school sections. Each township school area has a board of five trustees elected at large over the combined unit.

Correspondence Courses

In March, 1939, Mr. Neil McDougall retired from the staff of the Department of Education after forty-seven years of service in various educational fields in the Province. An outline of his career and a tribute to his work appears in the report of the Chief Inspector of Public and Separate Schools. It was in 1926 that Mr. McDougall was appointed Director of Correspondence Courses, a branch organized at that time to provide a means of educating the children of pioneer settlers in Northern Ontario who were prevented by distance or other conditions from attending regular schools. So useful and so popular did the courses become that, thirteen years later, three thousand children were receiving instruction for at least part of the year by correspondence. Much of the success of the plan was due to the warm humanity and staunch devotion of Mr.

McDougall, who was loyally supported by the staff of teachers engaged in correcting the weekly assignments.

While correspondence lessons must always be subject to a running revision, Mr. McDougall before his retirement had begun a major revision of the courses to bring them in line with the programme of studies newly introduced in the regular schools. This work was completed by the members of his staff before the end of the year.

Text-Books

A new reader entitled *A Garden of Stories* was authorized during the year for use in Grade II. This reader replaced the former *First Book* which had been in use for many years. The new book is attractively illustrated in colour, and is proving acceptable in both rural and urban classrooms.

Junior Mathematics for Grade VII and *Junior Mathematics for Grade VIII* were also introduced in the elementary schools in September, 1939. A separate book in arithmetic is now available for each of the grades from III to VIII. The senior books have been helpful as guides to teachers in interpreting the revised programme in this subject.

Revised courses in Grade XI made it necessary to authorize new text-books in English, Mathematics, Science, Latin and French.

Schools and the War

The outbreak of war in September, 1939, brought a special challenge to the schools of the British Empire. With the ideals of the democratic way of life at stake, and with the lights of freedom going out over Europe, it became increasingly important that our schools should give pupils genuine experience in democratic living, and should demonstrate in practice that democracy brings responsibilities as well as privileges—a truth difficult to convey in text-books or in courses of study.

The grimness of the struggle struck suddenly home in educational circles when it was learned that Mr. Thornton Mustard had lost his life in the tragic sinking of the steamer *Athenia* on the opening day of the war. As a classroom teacher, as a Normal School master, as chairman of the committee responsible for the revision of the elementary curriculum, and as principal of Toronto Normal School, Mr. Mustard had made an outstanding contribution to educational progress in the Province. His memory will long be cherished by those who were his students, and by the teachers who caught the inspiration of his leadership.

The policy of the Department of Education has been to offer every possible assistance to the promotion of Canada's war effort. In response to an emergency request, the buildings of the Ottawa Normal-Model School were in October placed at the disposal of the Dominion Government for the duration of the war. Junior Red Cross organizations in the schools have been encouraged to play their part in rendering service to the troops engaged in the struggle. At the close of the year 1939 plans were being formulated for making full use of the special facilities of the vocational schools for the training of skilled labour so necessary in war industries.

Conclusion

Appended to this report will be found detailed information and statistics regarding the various branches of educational work organized in the province.

Respectfully submitted,
D. McArthur,
Minister of Education.

Toronto, November 23rd, 1940.

APPENDIX A

REPORT OF THE CHIEF INSPECTOR OF PUBLIC AND SEPARATE SCHOOLS

The Provincial Inspectoral Staff, 1939

I. In Memoriam:

William C. Dowsley, M.A., was Public School Inspector for Leeds and Grenville (No. 2) for a period of twenty-three years prior to his decease on August 31st, 1939. Mr. Dowsley was in active service at the time of his death. His early education was obtained in the Athens Public and Model School, after which he spent four years in rural school teaching in the vicinity of his home village of Frankville. He graduated from Queen's University in 1898 with Specialist and First Class honour standing in Classics, English and History. After completing his professional training course in the Ontario Normal College at Hamilton, he taught for nine years in the Athens High School. Thereafter he was for eight years head of the Classics Department of the Brockville Collegiate Institute. Mr. Dowsley was a trusted official of the Department of Education and a capable administrator, rightly earning the confidence, respect, and goodwill of teachers, boards of trustees and community, as well as of his confreres in educational service.

II. Resignations:

Mr. Neil McDougall, B.A., is a member of a pioneer family in the Township of Enniskillen, Lambton County. He received his early education in a rural school in his native township. He attended Petrolia High School and Sarnia Model School, and began teaching when he was seventeen years of age. He graduated from the University of Toronto in 1893 as a specialist in the Natural Sciences, and the following year attended the Ontario School of Pedagogy. His experience as a teacher covers a period of fifteen years, during the last ten of which he was principal of a high school. He was appointed Public School Inspector for Lambton East in 1907, and for fifteen years served the educational interests in this inspectorate most efficiently. Both teachers and pupils looked forward to his visits with pleasure. In 1922 Mr. McDougall was appointed General Inspector in the Department of Education, and later, he became Director of Correspondence Courses, a branch of endeavour which was established in 1926. He was most enthusiastic regarding these courses, and took a personal interest in the children who depended upon them for their education. The numerous letters of appreciation received by Mr. McDougall from these pupils indicate their admiration for one whom they regarded as their benefactor. For a number of years he was also Director of Summer Courses, and Interchange Officer for the exchange of Ontario teachers with other teachers in various parts of the British Empire. Mr. McDougall retired in March, 1939, having been engaged in educational work in the province over a period of forty-seven years. Few educationists have a finer record of service.

Mr. P. W. Brown, B.A., received his early education in Elgin Public School in the County of Leeds. He then obtained a Third Class certificate from the

Athens Model School, after which he spent five years as teacher in the rural schools of Leeds County. He attended the Ottawa Normal School in 1893. Mr. Brown graduated from Queen's University in 1905, and then qualified for a First Class certificate which carried with it Specialist standing in Science. He taught for a number of years in the high schools at Smith's Falls, Madoc, Newburgh, and Sydenham, and in the collegiate institutes at Collingwood and North Bay. In 1920 he was appointed Public School Inspector for the District of Nipissing (District Division XII), a position which he held until his retirement in August, 1939. He won the goodwill and confidence of every teacher and board of trustees as well as of his associates in the inspection field. Mr. Brown has made a lasting contribution to the cause of education in the growing North.

Mr. H. J. Clarke, B.A., remained identified with his native county of Hastings throughout his youth and active professional life. He received his elementary and high school education in the city of Belleville, following which he acquired his professional training in the Madoc Model School, in 1887, and in the Ottawa Normal School in 1890. In 1891 he returned to Madoc Model School as teacher. He graduated from Queen's University in 1905 with Specialist standing in Natural Science. His teaching experience covered two and a half years in rural schools, and sixteen years as Science Master in the Belleville Collegiate Institute. In 1908 he was appointed Public School Inspector for Hastings South, a position which he held until his retirement in August, 1939. By special appointment he also had charge of the inspection of the Ontario School for the Deaf at Belleville. Mr. Clarke has given excellent service in the field of education, service which his fellow citizens gratefully recognize.

Mr. Henry Conn, B.A., was born in 1868 in the township of Oxford-on-Rideau. His elementary education was obtained in a rural school in his native township, his secondary education in the Kemptville High School, and his higher education in the University of Toronto from which he graduated in 1895, with honours in the Natural Sciences. He received his professional training at the Prescott Model School and the Ottawa Normal School. His first teaching experience was received in a rural school. Subsequently he became principal of the Beachburg Public School. As a high school teacher he taught in the Watford and Walkerton High Schools, and in the Strathroy and St. Catharines Collegiate Institutes. In 1909 he was appointed Public School Inspector for Lambton West. In 1928 he became Public School Inspector for the City of Sarnia, retiring from this position in 1938. Mr. Conn has had an outstanding career as a teacher and as an inspector. The schools of Lambton County and the City of Sarnia made marked progress during his period of supervision.

Mr. Robert Gillies, B.A., is a native of Durham County and was educated in the public and secondary schools of that county. He received his professional training at the Ottawa Normal School, and is a graduate of Queen's University. His teaching career began in the rural schools of Durham County, in which his outstanding work as a teacher earned for him the principalship first of the Havelock Public School and, subsequently, of the Port Hope Public School. In September, 1917, he was appointed to the staff of the Toronto Public Schools, where he served for a number of years. Mr. Gillies was appointed Public School Inspector for District Division VI, and later for District Division VII which includes the city of Sudbury. He was then transferred to York County where he served as inspector in Division No. 1 and Division No. 6, until his retirement in August, 1939. In all, Mr. Gillies has to his credit a fine record of efficient service in the field of education, no less than fifty-one years as teacher, principal, and inspector. Throughout all these years he has had the splendid co-operation of his boards, his staffs, and his teachers while engaged in inspectoral duties. He was always most willing to give of his best in serving the Department.

Mr. E. W. Jennings, B.A., received his early education in the rural schools of Northumberland County, Deseronto High School, and Albert College, Belleville. His professional training was obtained in the Kingston Model School in 1892, and in the Ontario Normal College in 1897-98. He had four years of teaching experience in the rural schools of Northumberland, Prince Edward, and Wentworth Counties. After graduating from the University of Toronto in 1903, with Specialist standing in English and History, he taught for twenty years in Richmond Hill High School, and in the Collegiate Institutes of Chatham, Owen Sound, St. Thomas, and Lindsay. Mr. Jennings was appointed Public School Inspector for Victoria West on September 1st, 1923, which post he held until his retirement in February, 1939. He gave devoted and efficient service to the educational interests of the boys and girls of his inspectorate, and the schools under his supervision have consistently maintained high standards.

Mr. James McNiece, B.A., is a native of the Township of North Gower, Carleton County, where he received his public school education. He attended the Ottawa Collegiate Institute and the Ottawa Model School. After teaching in the public schools of North Gower for a number of years he entered the University of Toronto, graduating with honours in Natural Science. He then attended the Ontario School of Pedagogy and obtained a High School Specialist's certificate in Science. He was appointed to the staff of the Welland High School, and subsequently became head of the Science Department in the Guelph Collegiate Institute. In 1919 he was appointed Public School Inspector for Welland South. He retired from this position in August, 1939. Mr. McNiece was outstanding as a teacher and possessed in a high degree those qualities of personality required for success as a teacher and an inspector. His boards of trustees respected his sane judgment and heartily co-operated with him on school matters. He was most co-operative in every way with the Department of Education. Mr. McNiece made a real contribution to the cause of education during his long and distinguished career.

Mr. Lambert Norman, B.A., was born in King Township, York County, in 1869, and attended public school there. He received his secondary education in the Richmond Hill High School, Parkdale Collegiate Institute (Toronto), and Woodstock College. In 1897 he graduated from the University of Toronto, with honours in History and Modern Languages. For his professional training he attended the Newmarket Model School and the Ontario School of Pedagogy. Mr. Norman holds a Permanent High School Specialist's certificate in French, German, English and History, and a High School Principal's certificate as well as several special certificates. His experience as a teacher began in S.S. No. 7 Whitchurch. Subsequently he taught in S.S. No. 4 Markham, Woodbridge Continuation School, and the Collegiate Institutes at Ingersoll, Cobourg, and Kitchener. In January, 1913, he was appointed Public School Inspector for Waterloo South, retiring in August, 1939. Mr. Norman is a gentleman of fine attainments. He possesses a magnetic personality and has a wide circle of friends, among whom, without exception, are the large number of teachers whose work he supervised for more than a quarter of a century.

Colonel J. W. Odell, B.A., was born in England in 1866 and came to Canada with his parents in 1875. He completed his elementary education at Orono, Ontario, and then attended the Bowmanville High School. He obtained a

Third Class Professional certificate in 1886 from the Port Hope Model School. After teaching public school for three years he entered the University of Toronto, graduating in 1892 as Gold Medallist in Pure Mathematics. In 1895 he was appointed Mathematical Master in the Cobourg Collegiate Institute, where he taught until the outbreak of the Great War in 1914. He gave valuable service to his country in the training of Battery Units throughout the duration of the war. In January, 1919, Colonel Odell was appointed Public School Inspector for Northumberland and Durham (No. 2), from which position he retired in August, 1938. His wise counsel and helpful co-operation with boards of trustees and teachers were reflected in the progress made by the schools of this inspectorate during his period of office.

Colonel E. E. Snider, B.A., is a native of Prince Edward County, where he received his early education. His secondary school training was obtained in Port Hope High School, and Albert College, Belleville. He graduated from Victoria University in 1890, following which he received his First Class certificate with Specialist standing in Mathematics from the Ontario School of Pedagogy. He taught for a year and a half in public schools, and for sixteen years in the Port Hope High School, of which he was principal in 1918-19. In 1922 he was appointed Public School Inspector for Northumberland and Durham (No. 1), where he served until his retirement in August, 1939. During the Great War, Colonel Snider carried out with distinction a voluntary service in recruiting a regiment in his native county. He held the post of Cadet Instructor and was identified with the Canadian School of Musketry from November 1915 to September 1917. He took special interest in broadening the field of education for rural pupils by extending fifth classes and continuation school work, and by encouraging, in all schools, studies in Manual Arts and Music. Owing very largely to the efforts of Colonel Snider, his inspectorate was one of the first to have Music taught in nearly all the rural schools of the area by an itinerant Music Supervisor. Boards of Trustees and teachers welcomed and profited by his timely advice and ready co-operation in helping to bring their schools to a higher level of efficiency.

Dr. E. T. Seaton, B.A., is a native of Beachville, Oxford County. His elementary education was obtained in rural and village schools in Middlesex and Bruce Counties, and his secondary education in Kincardine High School and Woodstock Collegiate Institute. He received his Bachelor of Arts degree from Queen's University, and the degree of Doctor of Pedagogy from the University of Toronto. He attended Model School and Normal School, and later obtained a High School Assistant's certificate, a Specialist certificate in Mathematics, and a High School Principal's certificate. He has had experience in public schools and in the following high schools,—Vankleek Hill, Port Dover, Port Hope, Cayuga, and Caledonia. He was principal of the last named school for seven years. In September, 1908, he was appointed Master in Mathematics in the Hamilton Normal School, where he served for fourteen years until his appointment as Public School Inspector for the City of Hamilton in 1922. He retired from active service in August, 1939. Dr. Seaton has had a most creditable experience in educational service for over half a century. Few educationists have so enviable a record.

III. APPOINTMENTS:

The following appointments were made to the provincial staff of inspectors during the year 1939:—

1. Hamilton: Mr. John W. VanLoon, B.A., B.Paed., Principal of Ryerson Public School, Hamilton, duties beginning September 1st, 1939.
2. Dufferin: Mr. Harold A. Halbert, B.A., B.Paed., Principal of Alexander Muir Public School, Toronto, duties beginning September 1st, 1939.
3. Lanark: Mr. Laurier B. Hyde, B.A., Principal of Ridgeway Public School, duties beginning September 1st, 1939.
4. Leeds and Grenville (No. 2): Mr. Elwood Oakes, B.A., B.Paed., Principal of Ottawa Normal Model School, duties beginning October 30th, 1939.
5. Lennox and Hastings: Mr. K. O. Birkin, M.A., B.Paed., of the Ottawa Normal Model School staff, duties beginning October 30th, 1939.
6. Renfrew South: Mr. Herbert Bolingbroke, B.A., B.Paed., Principal of George R. Allan Public School, Hamilton, duties beginning September 1st, 1939.
7. Waterloo (No. 1): Mr. Gerhardt H. Dobrindt, B.A., Principal of Empire Public School, Welland, duties beginning January 1st, 1939.
8. Waterloo (No. 2): Mr. Charles Howitt, B.A., B.Paed., Principal of Park Public School, Toronto, duties beginning September 23rd, 1939.
9. District Div. VIII: Mr. Sidney Geiger, B.A., Principal of Sturgeon Falls Public School, duties beginning September 1st, 1939.
10. District Div. XII: Mr. John W. Trusler, B.A., Field Secretary of the Ontario Educational Association, duties beginning September 1st, 1939.
11. District Div. XIII: Mr. E. Ray Underhill, B.A., Principal of Arnprior Public School, duties beginning September 1st, 1939.
12. District Div. XVI: Mr. Archibald Stouffer, B.A., B.Paed., Assistant Master in Weston Collegiate Institute and Vocational School, duties beginning September 1st, 1939.
13. Mr. Frederick C. Biehl, B.A., B.Paed., Principal of King Edward Public School, Hamilton, was also appointed to the staff of Public and Separate School Inspectors. For the school year September 1939-June 1940 he is attached to the Stratford Normal School staff.

HELPING TEACHERS:

14. Elgin: Mr. Alex. D. McColl, Principal of Nakina Public School, was appointed a Supervising Teacher to assist Mr. J. C. Smith, B.A., Public School Inspector, duties beginning September 1st, 1939.
15. Kent: Mr. Franklin L. Barratt, B.A., B.Paed., Principal of Central Public School, Oakville, was appointed a Supervising Teacher to assist Mr. G. A. Pearson, B.A., Public School Inspector, duties beginning September 1st, 1939.
16. Wentworth: Miss M. O. Cleland, B.A., of the Ottawa Normal Model School staff was appointed a Supervising Teacher to assist Mr. C. B. Routley, M.A., Public School Inspector, duties beginning October 31st, 1939.

17. R.C.S.S. Div. X: Miss Rose Lynch, B.A., B.Paed., of the Ottawa Normal Model School staff, was appointed a Supervising Teacher to assist Mr. J. C. Walsh, B.A., B.Paed., Separate School Inspector, duties beginning October 31st, 1939.

IV. TRANSFERS:

In all cases except that of Mr. Lucas, transfers took place at September 1st, 1939. The date of Mr. Lucas's transfer was January 1st, 1939.

	Inspector	*Former Inspectorate*	*New Inspectorate*
1.	A. F. Brown, B.A.	District Div. XVI	Prince Edward
2.	C. F. Cameron, B.A., B.Paed.	Durham (in part)	York (No. 6)
3.	F. Choquette, B.A.	R.C.S.S. Div. XX	R.C.S.S. Div. XIX
4.	C. W. Lees, B.A., B.Paed.	Renfrew South	Victoria West
5.	A. B. Lucas, B.A., B.Paed.	Kent (No. 2)	City of London
6.	R. A. A. McConnell, B.A.	Lanark	Northumberland and Durham (No. 1)
7.	T. R. McEwen, B.A., B.Paed.	Lennox	Durham (in part)
8.	Z. S. Phimister, B.A., B.Paed.	Glengarry	Welland East
9.	J. R. Pickering, B.A., B.Paed.	District Div. XIII	Hastings South
10.	N. R. Wightman, B.A.	District Div. VIII	Welland South

V. EXCHANGES BETWEEN INSPECTORS AND NORMAL SCHOOL MASTERS:

The following exchanges dated from September 1st, 1939:—

1. Mr. L. W. Copp, B.A., B.Paed., Peterborough East, with Mr. M. H. Park, B.A., B.Paed., of the Peterborough Normal School.
2. Mr. A. Gascon, B.A., R.C.S.S. Division XIX, with Mr. Roger Saint-Denis, M.A., of the University of Ottawa Normal School.
3. Mr. A. F. Hansuld, B.S.A., Dufferin, to the Stratford Normal School.
4. Mr. L. P. Menzies, B.A., B.Paed., Wellington North, with Dr. Henry Bowers, B.A., of the Ottawa Normal School.
5. Mr. L. L. Skuce, B.A., B.Paed., Halton, with Mr. J. A. Partridge, M.A., B.Paed., of the Hamilton Normal School.
6. Mr. J. C. Webster, B.A., B.Paed., Prescott and Russell, with Mr. G. R. Smith, B.A., B.Paed., of the Ottawa Normal School.

Township School Areas

During the year, the inspectors of rural areas have been active in promoting the formation of larger units of school administration, and most encouraging results have rewarded their efforts. No fewer than 47 township school areas were organized during the year; these, with the 28 areas formed previous to 1939, make a total of 75 township school areas formed to date. While it appears that the municipalities with comparatively low assessments have been more favourable to the movement than the communities where the assessments of the school sections are relatively high, still 18 of the 47 township school areas formed in 1939 are in the organized counties of the province, and six of these are in the western counties of Simcoe, Brant, Wentworth, Halton, and Perth. In some areas there is still opposition to the larger unit plan, but the sentiment throughout the province is gradually becoming more favourable to it. In a few years, when reports and statistics from the areas now formed are available, it is expected that the opposition will tend to disappear. The following is a list of the township school areas organized during the calendar year 1939:—

Townships	Number of School Sections	County or District	Inspector	Date of Formation
1. Monck	5	Muskoka	G. S. Johnson	Feb. 13th
2. McLean	4	Muskoka	G. S. Johnson	Mar. 15th
3. Machar	6	Parry Sound	J. R. Pickering	April 1st
4. Christie	5	Parry Sound	J. L. Moore	April 15th
5. Brantford	5	Brant	W. Joyce	May 1st
6. Carling	5	Parry Sound	J. L. Moore.	May 5th
7. Schreiber	1	Thunder Bay	W. J. Judd	May 5th
8. Ferris West	1	Nipissing	J. W. Trusler	May 5th
9. Humphrey	5	Parry Sound	J. L. Moore	May 6th
10. Head, Clara and Maria	4	Renfrew	N. Campbell	May 9th
11. Draper	8	Muskoka	G. S. Johnson	May 26th
12. Rolph, Buchanan and Wylie	6	Renfrew	N. Campbell	May 27th
13. Sandfield	3	Manitoulin	N. R. Wightman	May 27th
14. Stisted	7	Muskoka	J. R. Pickering	May 29th
15. Muskoka	6	Muskoka.	G. S. Johnson	May 31st
16. Nassagaweya	7	Halton	L. L. Skuce	June 1st
17. Cockburn Island	2	Manitoulin	N. R. Wightman	June 3rd
18. Foley	3	Parry Sound	J. L. Moore	June 3rd
19. Fredericksburgh South	6	Lennox	T. R. McEwen	June 5th
20. Kennebec	9	Frontenac	T. J. Thompson	June 5th
21. Macaulay	8	Muskoka	G. S. Johnson	June 5th
22. Algona South	2	Renfrew	N. Campbell	June 5th
23. Adolphustown	3	Lennox	T. R. McEwen	June 5th
24. Sherwood, Jones and Burns	6	Renfrew	C. W. Lees	June 5th
25. Oro	3	Simcoe	W. R. McVittie	June 5th
26. Atwood	4	Rainy River	W. E. Eade	June 6th
27. Stanhope	5	Haliburton	A. F. Brown	June 7th
28. Alberton	3	Rainy River	W. E. Eade	June 12th
29. Wolford	12	Grenville	W. H. Carlton	June 14th
30. Matchedash	4	Simcoe	J. A. Gibson	June 19th
31. Whitney	2	Cochrane	H. H. Langford	June 19th
32. Chaffey	8	Muskoka	J. R. Pickering	June 19th
33. Chapman	4	Parry Sound	J. L. Moore	June 21st
34. Stephenson	4	Muskoka	G. S. Johnson	June 21st
35. McGregor (Shuniah)	8	Thunder Bay	W. J. Judd	June 23rd
36. Alnwick	3	Northumberland	A. A. Martin	June 24th
37. Cardwell	5	Muskoka	J. L. Moore	June 26th
38. Binbrook	6	Wentworth	C. B. Routley	June 26th
39. Franklin	5	Muskoka	A. F. Brown	June 26th
40. Oakley	5	Muskoka	G. S. Johnson	June 27th
41. Minden	8	Haliburton	A. F. Brown	June 28th
42. Limerick	3	Hastings	J. D. Deyell	June 29th
43. Cumberland	5	Russell.	J. C. Webster	June 30th
44. Carden	4	Victoria	R. F. Downey	June 30th
45. Blanshard	2	Perth	G. N. Edwards	June 30th
46. Hagerman	5	Parry Sound	J. L. Moore	June 30th
47. Cameron	3	Nipissing	J. W. Trusler	Aug. 10th

Small Schools

The following schools were closed in 1939:—

School	Inspectorate	Inspector
1. U.S.S. No. 16 Goulburn	Carleton	T. P. Maxwell
2. S.S. No. 17 Marlborough	Carleton	T. P. Maxwell
3. S.S. No. 8 Garafraxa East	Dufferin	H. A. Halbert
4. S.S. No. 12 Garafraxa East	Dufferin	H. A. Halbert
5. S.S. No. 2 Mountain	Dundas	W. J. Stewart
6. S.S. No. 18 Kingston	Frontenac South (1)	S. A. Truscott

School	Inspectorate	Inspector
7. S.S. No. 5 Wolfe Island	Frontenac South (2)	F. P. Smith
8. S.S. No. 15 Wolfe Island	Frontenac South (2)	F. P. Smith
9. S.S. No. 2 Lancaster	Glengarry	R. O. Staples
10. S.S. No. 11 Lancaster	Glengarry	R. O. Staples
11. U.S.S. No. 8 Amabel and Albemarle	Grey North	J. J. Wilson
12. S.S. No. 11W Proton	Grey South	G. E. Pentland
13. S.S. No. 6 Ashfield	Huron East	J. H. Kinkead
14. S.S. No. 4 Hullett	Huron West	E. C. Beacom
15. S.S. No. 13 Stanley	Huron West	E. C. Beacom
16. S.S. No. 5 Dalhousie	Lanark	R. A. A. McConnell
17. S.S. No. 9 Dalhousie	Lanark	R. A. A. McConnell
18. S.S. No. 7 Montague	Lanark	R. A. A. McConnell
19. S.S. No. 2 Bastard	Leeds and Grenville (1)	J. F. McGuire
20. S.S. No. 2 Leeds and Lansdowne F.	Leeds and Grenville (1)	J. F. McGuire
21. S.S. No. 18 Escott Ft.	Leeds and Grenville (2)	W. C. Dowsley
22. U.S.S. No. 24 Augusta	Leeds and Grenville (3)	W. H. Carlton
23. S.S. No. 18 Camden East	Lennox	T. R. McEwen
24. S.S. No. 7 Cavan	Northumberland and Durham (1)	E. E. Snider
25. S.S. No. 3 Hamilton	Northumberland and Durham (1)	E. E. Snider
26. S.S. No. 1 Blanshard	Perth South	G. N. Edwards
27. S.S. No. 3 Blanshard	Perth South	G. N. Edwards
28. S.S. No. 1 Hibbert	Perth South	G. N. Edwards
29. S.S. No. 7 Wylie	Renfrew North	N. Campbell
30. S.S. No. 5 (2) Tossorontio	Simcoe West	J. K. Evans
31. U.S.S. No. 9 Arthur	Wellington North	L. P. Menzies
32. S.S. No. 2 Worthington	District Division II	W. E. Eade
33. S.S. No. 1 Tashota	District Division IV	W. J. Judd.
34. U.S.S. No. 1 Hawkins and Irving	District Division VI	Wm. MacMillan
35. S.S. No. 1 Township 19	District Division VI	Wm. MacMillan
36. S.S. No. 3 Salter	District Division VII	O. M. MacKillop
37. S.S. No. 3 Allan	District Division VIII	N. R. Wightman
38. S.S. No. 4 Sandfield	District Division VIII	N. R. Wightman
39. S.S. No. 4 Pacaud	District Division X	H. H. Langford
40. S.S. No. 3 Coleman	District Division XI	W. L. Lovell
41. S.S. No. 2 Firstbrook	District Division XI	W. L. Lovell
42. U.S.S. No. 4 Lutterworth	District Division XVI	A. F. Brown
43. U.S.S. No. 7 Lutterworth	District Division XVI	A. F. Brown
44. U.S.S. No. 9 Stanhope	District Division XVI	A. F. Brown

SUMMARY: Number of schools closed before June 1937	53	
Number of these schools reopened	8	
	—	45
Number of schools closed in 1937	32	
Number of these schools reopened	3	
	—	29
Number of schools closed in 1938	39	39
Number of schools closed in 1939	44	44
Total number of schools closed		157

Fifth Classes (Grades IX and X)

Under the new programme of studies for Grades IX and X it has become more difficult for the teacher in a one-room ungraded rural school to provide a satisfactory course for the pupils above the High School Entrance standing. Such subjects as Agriculture, Home Economics, Shop Work, and Business Practice cannot be taught well when the teacher has all the elementary grades in the same classroom, and, furthermore, it cannot be expected that any one teacher will be proficient in all these practical subjects. It is being advocated, therefore, that, where a rural school is within six to eight miles of a high school, a continuation school, or even a two- or three-roomed public or separate school, a plan be worked out whereby senior pupils ready to take the work of Grades IX and X may be taken to a secondary school or to the centrally located graded elementary school.

The Department of Education, since August, 1939, is offering 60 per cent. of the cost of transportation where two or more rural school boards of trustees co-operate to provide transportation for all pupils taking this senior work. This plan is being adopted rapidly in Southern Ontario, and there is no doubt that many more rural pupils will secure the advantages of training in these advanced and more practical courses. From 40 per cent. to 60 per cent. of pupils discontinue day-school attendance in Grade IX or Grade X. For this reason it is most important that the courses offered in these grades should be of a practical nature so as to 'round out' the education of these young people and enable them to leave our schools well prepared to take up their life work in their home communities.

The School on Wheels

The railway school car is effectively fulfilling its mission of carrying educational facilities to the homes where the stationary school would be impracticable. It brings education within reach of the isolated child who would otherwise be denied his chance. The children so served surmount the handicaps of distance, cold and storm, and of travel by bush and water-trail, and so keen is their interest that the school car comes close to being, in attendance, the sole 100 per cent. school in Ontario. The happy balance between intensive teaching and self-directed activity on the part of the pupils prepares them to care for themselves when thrown on their own resources in after life. Many graduates are now filling responsible places in the working world.

The car recently installed on the Temiskaming and Northern Ontario Railway is attempting to meet the educational needs of the children in the Laurentian area north of North Bay. It is serving six points in an eighty-mile circuit where conditions forbid the existence of permanent schools. The school car rounds out the educational system of the province by bringing within its range the child on the remote frontiers, and giving him an equal chance with the better-situated child in equipping himself for self-reliant citizenship.

Interchange of Teachers

The educational movement initiated by the League of Empire, and designed to facilitate the interchange of teachers within the British Empire, was placed on a permanent basis after the Imperial Educational Conference in 1923. Since that time each part of the Empire has been prepared to accept into its teaching service, for one year, teachers from other Dominions between the ages of twenty-five and forty-five years, who hold standard qualifications in their respective countries and who are recommended by the inspectoral staffs as being splendid representatives of the teaching profession.

Teachers who are given the privilege of going on exchange usually assume their duties at the beginning of the school year in September. The teachers who had arranged to go overseas for the current school year were leaving for their new posts of duty when the outbreak of war seemed imminent. Nevertheless, all but two, who had received cancellations, left for duty. Only five who did so have returned to Ontario. In most cases the evacuation of school children from the cities and the reorganization of classes were responsible for the teachers being relieved from the duties which they had hoped to undertake. This is a most creditable record for our teachers from Ontario who are now, and will be for the remainder of the school year, in the midst of the war's confusion and hazards.

A summary of the exchanges arranged for the school year 1939-40 appears below:—

16	Ontario teachers on exchange in England.
9	Ontario teachers on exchange in Scotland.
2	Ontario teachers on exchange in Wales.
2	Ontario teachers on exchange in Northern Ireland.
1	Ontario teacher on exchange in South Africa.
9	Ontario teachers on exchange in British Columbia.
3	Ontario teachers on exchange in Alberta.
42	

Conclusion

The elementary schools of the province continued this year to have as their chief interest the putting into successful practice of the new programmes of study. While in some schools the greater elasticity of the courses has led to some looseness of standards and accomplishments, it may be safely stated that the departure from too much emphasis on subject matter and examinations, and the recognition of the child's interests and the training values of the courses as being of more importance, are leading to a marked improvement in results. The outbreak of war on September 1st, 1939, has placed a greater responsibility on the teaching staffs and has re-emphasized the need for training pupils to become citizens of a democracy in which the ideals of service, liberty, etc., will be cherished and protected.

The Public and Separate School Inspectors of the province, 135 in number, have given a most faithful and efficient service during the year. Their constant efforts towards better classroom practices, more and better equipment for the school, and improved school buildings and school grounds have met with more-than-average success and with increasing co-operation on the part of parents and ratepayers. The inspectors have also found more time, apart from routine duties, to lead the people to a better understanding and approval of the present policies of the Department.

V. K. GREER,
Chief Inspector.

Toronto, March 31st, 1940.

APPENDIX B

REPORT OF THE CHIEF INSPECTOR OF SECONDARY SCHOOLS

I have the honour to submit herewith the reports of the High and Continuation School Inspectors and the Director of Vocational Education, for the school year 1938-39.

G. F. Rogers,
Chief Inspector of Secondary Schools.

Toronto, July 15th, 1940.

1. Report of the Inspectors of High and Continuation Schools

It is gratifying to be able to report that the standard of educational work in the high and continuation schools of the province was well maintained during the school year 1938-39. While few changes (apart from necessary improvements) were made in the accommodations used in the teaching of academic subjects, a number of school buildings were altered or enlarged to provide rooms where instruction might be given in Home Economics and General Shop Work. Occasionally, other departments of the school also benefited by the alteration programme. This was the case in Seaforth, where a combined gymnasium and auditorium was provided, in addition to other improvements throughout the building. In most centres, however, changes were confined to providing accommodations for teaching the Home Economics and General Shop Work Courses.

The following is a list of schools, including some Public and Separate Schools, in which provision was made, either before the school year under review or during it, for teaching these practical courses:

School	General Shop	Home Economics
Amherstburg	IX and X	IX and X
Athens	IX and X	IX and X
Aurora	IX and X	IX and X
Belle River R.C.	IX and X	IX and X
Belleville R.C.	IX and X	IX and X
Blackstock	IX and X	IX and X
Blenheim	IX and X	IX and X
Burford	IX and X	IX and X
Caledonia	IX	IX
Campbellford	IX and X	IX and X
Carleton Place	IX and X	IX and X
Cayuga	IX and X	IX and X
Chesterville	IX	IX
Clinton	IX and X	IX and X
Cobalt	IX and X	IX and X
Cobden	IX	IX
Cobourg C.I.	IX	IX and X
Cobourg R.C.	....	IX and X
Collingwood	IX and X	IX and X
Copper Cliff	IX and X	IX and X
Elmira	IX and X	IX and X
Fergus	IX and X	IX and X

School	General Shop	Home Economics
Florence	IX and X	IX and X
Forest	IX and X	IX and X
Fort Erie	IX and X	IX and X
Goderich	IX and X	IX and X
Haileybury	IX	IX
North Mountain	IX and X	IX and X
Hornepayne	IX	IX
Ingersoll	IX and X	IX and X
Kapuskasing	IX and X	IX and X
Kitchener—St. Jerome's	IX and X	IX and X
—Victoria	IX and X	IX and X
Leamington	IX and X	IX and X
Lefroy	IX and X	IX and X
London—Boyle P.S.	IX	IX
—Central C.I.	IX	IX
—Sir Adam Beck C.I.	IX	IX
—South C.I.	IX	IX
Lyndhurst	IX and X	IX
Merritton	IX and X	IX and X
Morewood	IX and X	IX
Oakville	IX	IX
Orangeville H.S.	IX	IX
Ottawa—Glebe C.I.	IX and X	IX and X
—Corpus Christi R.C.	IX	IX
—Immaculata R.C.	....	IX and X
—Our Lady's R.C.	....	IX
—Routhier R.C.	....	IX and X
—St. Conrad's R.C.	....	IX and X
—St. Dominique R.C.	....	IX
—St. Mary's R.C.	IX and X	IX
—St. Patrick's Girls R.C.	....	IX
Perth	IX and X	IX and X
Preston	IX and X	IX and X
Ridgeway	IX and X	IX and X
St. Mary's C.I.	IX and X	IX and X
Seaforth	IX and X	IX and X
Selkirk	IX and X	IX and X
Smith's Falls	IX and X	IX and X
South Mountain	IX	IX
Stirling	IX and X	IX and X
Stouffville	IX and X	IX and X
Stratford	IX and X	IX and X
Toronto—Bloor C.I.	IX and X	IX
—Brown P.S.	....	IX
—Jarvis C.I.	IX	IX
—Oakwood C.I.	IX and X	IX and X
Warkworth	IX	IX
Waterford	IX	IX
Waterloo—Ziegler	IX	IX
Waubaushene	IX	IX
Windsor—Assumption	IX	....
—Patterson	IX and X	IX and X
—Kennedy	IX	IX
—Walkerville	IX and X	IX and X
Woodslee R.C.	IX and X	IX
Woodstock	IX and X	IX and X

Courses of Study

The new courses of study for Grade X were introduced in September, 1938. As the revised programme issued in September, 1937, for Grade IX had been planned with a view to helping pupils discover their special aptitudes and abilities, it was hoped that, at its completion, students would be able to choose more intelligently the course of study they should follow in succeeding years. The results of the first year's experience have, we feel, justified the introduction of the obligatory courses provided in Grade IX. A number of pupils have found themselves lacking in aptitude for the study of French, and, for this reason, have decided not to continue the study of foreign languages. Most pupils, however, have continued the study of French, and have undertaken the study of Latin in Grade X. Experience with the Grade IX programme has also shown that, wherever Home Economics and General Shop courses were offered, the majority of students were interested in them, and wished to continue them, at least through Grade X.

Generally speaking, the new courses of study have been received very favourably. Carrying, as they do, a challenge to the pupils to do as much as they can for themselves, as well as a caution to teachers not to do for pupils what they should do for themselves, the new courses of study are, we feel, making a fine contribution to the development of initiative and of intelligent thinking on the part of the boys and girls of the province. This is particularly noticeable in the smaller schools, where the progressive nature of the new programme limits the time that the teacher can spend with his class, and places special stress upon supervised study.

While the revision of the courses of study has made necessary a new and more practical approach to the different subjects, the change in approach is, perhaps, more significant in the study of foreign languages than in any other branch of the curriculum. The former approach to the study of the foreign language was, for the most part, through the medium of English; the new approach is through the foreign language itself. It is quite possible to miss the genius of any language if its study is chiefly concerned with grammatical rules, and this was, in a measure, true of the former method of studying foreign languages in our schools. That the change in method was desirable is shown by a renewed interest in the study of Latin, by the greater ease and accuracy which pupils show in the reading of both Latin and French, and by the greater power they have gained to read and comprehend these languages, as well as to express their thoughts in them.

Vocal music, which was taught in only a few secondary schools prior to the revision of the courses of study, has now found a place in many school programmes particularly in Grades IX and X. Under the direction of well-trained teachers, the work in this subject is more than justifying the increased attention which it is receiving.

Visual Aids

In presenting the subject matter of the new courses of study, increasingly frequent use is being made of visual aids. These aids are not altogether new to teachers, unless we accept the popular but very limited interpretation of the term "visual aids", and apply it only to motion pictures. While the educational value of motion pictures cannot be disputed, teachers have long made use of many other important visual aids in the classroom, aids such as projected still pictures and diagrams, posters, cartoons, graphs, mounted pictures, specimens and models, photostatic copies of early documents, and occasionally stereographs to give the illusion of depth and perspective.

In addition to these visual aids long known to the schools, the motion picture film is yearly becoming more prominent in the field of education. It is of interest to teachers in all of the grades to know that films are used for instructional purposes in the following schools:

An example of visual aids in education—a class of senior pupils of Ottawa Public Schools.

Silent Films

Place	Public Schools	Separate Schools	Secondary Schools
Greenock....	....	No. 2U Greenock	
Hamilton....	Memorial Adelaide Hoodless Earl Kitchener McIlwraith Bennetto	2 schools	Central C.I. Technical Institute
London.....	Various schools' use.		
Ottawa......	Crichton St. Lady Evelyn Mutchmor Wellington St. 18 Auxiliary Classes (joint use) 8 schools (joint use)	4 schools	Glebe C.I.
St. Thomas..	....	X	
Stratford....	....	X	
Toronto.....	Clinton Davisville Dufferin Duke of York Eglinton Gledhill Kew Beach Leslie Maurice Cody Morse Queen Victoria Roden Runnymede Wilkinson Jarvis School for Boys	St. Monica's St. Thomas Aquinas'.. 4 other schools	Lawrence Park C.I. North Toronto C.I. Oakwood C.I. Parkdale C.I. Central H.S. of Commerce Eastern H.S. of Commerce
Windsor.....	Marlboro		Hon. J. C. Kennedy C.I. Walkerville C.I. Windsor-Walkerville Vocational School

Sound Films

Place	Public Schools	Separate Schools	Secondary Schools
Hamilton....	....	....	Westdale C.I.
London.....	Empress Lord Roberts Ryerson and St. George's, (jointly) Various schools' use		Central C.I. London South C.I. Sir Adam Beck C.I. Technical Institute
Ottawa......	5 Intermediate Schools (joint use)	3 schools	Lisgar C.I. Technical H.S. High School of Commerce
Toronto.....	....	....	Humberside C.I. Malvern C.I. Central Tech. School Danforth Tech. School Western Tech. Commercial Northern Vocational and Commercial
Windsor.....	....	One machine for use in all schools.	

Organization and Administration

As a rule, the organization and administration of the schools are satisfactory, although the problem of organizing schools staffed by two teachers or "a teacher and a half" is not easily solved. The new courses of study provide for the progressive study of subjects, and consequently do not permit of teaching subjects to a senior and a junior class together as was done under the former curriculum. Small schools are now usually organized on the basis of an eight-period day, each period being forty minutes in length. These periods are divided into two teaching periods of twenty minutes each. This arrangement makes it possible for one class to be taught for twenty minutes, while the other class is occupied with supervised seatwork; during the next twenty minutes the classes exchange roles. Occasionally an entire period is used for the work of one class. In addition to these periods, a twenty-minute period is provided each day for Health Education. Each teacher in such schools is called upon to prepare and teach no fewer than twelve or thirteen lessons a day, and to supervise the seatwork of pupils not receiving class instruction. The fact that the small schools carry on in a reasonably successful way is a tribute to the energy and hard work of the teachers in charge.

A commendable feature of the new programme of study is the generous allotment of time to English. The provision for increased time in this subject is meeting with the approval of teachers in general, as they recognize its importance as a medium of instruction in all subjects. More and more, too, the conviction has grown that an aroused interest in good literature is one of the finest contributions that our schools can make to the cultural development of boys and girls. In some of the larger schools, a commodious room, well lighted and tastefully decorated, is set aside for library purposes. This room is usually in charge of one teacher, who may, or may not, be a trained librarian. Frequently the junior classes in English are taught for one period each week in this room, partly to give them instruction in library practice, and partly to foster in them a desire to read worthwhile books. In schools where such a room is not available, ways and means are devised for bringing the classes into touch with the library facilities provided.

Health and Physical Education

In the revision of the courses of study, the physical well-being of the pupils in its relation to their mental alertness was not forgotten, and a fairly extensive course in Health Education was outlined—sufficient in amount to occupy about one-third of the time allotted to Physical Education, in Grades IX and X. It has been interesting to note the reaction of both teachers and pupils to this new phase of the work. For many teachers it has meant hours of preparation for the discussion of health topics of a more or less technical character, but they have risen to the occasion and are presenting the various topics in a practical way. By following the time-honoured maxim in teaching, "from the known to the unknown", teachers have aroused interest in the subject, and with the result that pupils are taking part in the discussions in a thoughtful way.

The general programme in Physical Education has undergone important changes in recent years, and the "refresher courses" in this subject have enabled teachers who were trained under the former system to adapt their methods to the new type of work. Much less time is given to exercises on the various kinds of apparatus, and more time is given to activities of the Danish and Swedish type. Greater freedom and grace of movement, and better all-round physical development are noted as results of the change.

Much credit should be given to the teachers of Physical Education in the smaller schools for the results they achieve despite the lack of proper accommodations for teaching the subject. In many such schools the physical education programme has been developed in such a way as to follow progressively through the entire school course. Since these schools cannot utilize a rotary system of classes, which provides the much-needed physical exercise at the end of the lesson, two or three minutes at the beginning of the period are not infrequently devoted to freehand gymnastics. In the early autumn and late spring, when the classes can be taught outside, the physical work is confined largely to exercises and games. During the late autumn and winter, Health Education is stressed in Grades IX and X.

Summer Schools

The summer schools are doing an excellent work in giving "refresher courses" in various subjects, as well as in preparing recent graduates of the Universities and the College of Education for elementary or higher certificates in Physical Education, Music, Commercial Work, Art, etc. Without special courses it would have been difficult to introduce the new methods of teaching Latin, French, Art, and other subjects.

Inspection

The practice of making preliminary visits to small schools for the purpose of helping with problems of organization, was begun a year ago, and was continued in the year under review. These visits also afforded opportunities for discussion of changes in content and method required by the revised courses of study in all academic secondary schools.

The regular visit of inspection was paid to each school later in the year. During this visit, the inspectors followed their usual practice of observing lessons, of discussing them with the teachers concerned, and of offering suggestions with regard to methods of presentation Not infrequently methods of teaching were illustrated. All of this work was felt to be of value, particularly to the less experienced teachers. Both academic and professional training are essential in the teacher's preparation for his work, but this training is not enough if the teacher is to render the best service of which he is capable. It must be supplemented by years of experience in which the teacher grows in wisdom, tact, judgment, teaching skill, and in the power to inspire his pupils. In the realization of these aims, the sympathetic help of principals and inspectors may be most effective

At the close of the visit of inspection, the Boards of Trustees were given an opportunity to meet the inspectors and to discuss school matters with them. Such meetings were mutually helpful, and clarified matters that otherwise might have led to misunderstandings.

Conclusion

It is probable that the success of the work of the secondary schools has of late years been due, at least in part, to the regulation whereby pupils have been able to secure standing in Middle and Upper School subjects on their term records in these subjects as certified by their school principals. More or less unconsciously, the knowledge that term records count has had a stimulating effect upon the pupils of all grades. For the most part, teachers have been careful to adhere to the spirit of this regulation, and their co-operation has contributed much to the success of what in its inception was an experiment.

It would not be fitting to bring this report to a close without making special reference to the scholarship, understanding, and loyalty of the teachers in the secondary schools of the Province.

R. W. ANGLIN,
A. J. HUSBAND,
W. A. JENNINGS,
A. G. HOOPER,
S. D. RENDALL,
R. H. WALLACE,
G. L. GRAY.

Toronto, December 29th, 1939.

2. Report of the Director of Vocational Education, 1938-39

The work of the Vocational Schools of the Province showed satisfactory progress during the school year 1938-39. Both day and evening class enrolment increased over the previous year; this has necessitated considerable enlargement of the teaching staffs. From a day school registration in 1936-37 of 34,766, the enrolment rose to 36,282 in 1937-38, and to 38,157 in 1938-39. Evening class enrolment rose from 25,750 in 1936-37 to 31,880 the following year, and last year to 36,481.

The attached graph illustrates the fluctuations which have taken place in day and evening enrolment and in legislative grants. The grants are based mainly on teachers' salaries, and are affected indirectly by the attendance, to the extent that attendance controls the number of teachers required. It will be seen that after many years of continuous increases the day school enrolment slackened in 1931-32, barely maintained its upward movement in 1932-33, and in 1933-34 showed a decline for the first time. From that year, however, recovery has been rapid; the enrolment (38,157) for the school year 1938-39 was the highest in the history of vocational education in this Province.

As pointed out in previous reports, evening class attendance reached its peak in 1930-31. The next three years showed a serious drop, and registration fell as far below that of the median year of 1922-23 as it had previously risen above. This apparent lack of interest in vocational evening work on the part of the adults of the Province may be attributed in large measure to the financial difficulties of the "depression" period. The situation is now steadily improving; statistics show a consistent upward trend which is very gratifying. If the demand for skilled workers continues, the peak attendance of 1930-31 will probably be exceeded within a short time.

Legislative grants appear to rise or fall in close association with the trend of evening classes. This is not actually the case. The salaries of evening class instructors would naturally affect the grants to some extent, as the annual grant is calculated partly on the aggregate salaries paid to teachers of evening classes. The decline, however, is due mainly to reductions ranging from 20 per cent. to 25 per cent. which became necessary from 1932 to the end of the school year 1934, and to a new (reduced) schedule of grants which was subsequently adopted.

With day schools more crowded than ever before, and the unusual development of evening classes, it is doubtful that even the present scale of grants can be sustained indefinitely unless additional funds are made available. The appropriation provided by the Legislature to cover the calendar year 1939 necessitated a 15 per cent. reduction in grants.

New Courses of Study

The work of the first year in Secondary Schools (Grade IX) is now general throughout all types of schools, including vocational. In the latter schools, however, the time allotted to the teaching of shop work, home economics, agricultural science, business practice, art or music, may with the approval of the Minister be extended to 23⅓ per cent. if French is included in the timetable, or 33⅓ per cent. if French is not a subject of study. From the vocational point of view, the course may be roughly divided into two parts. The first part is compulsory for all students, while the second part depends on the course which the student intends to pursue in the higher years. The compulsory part consists of those academic subjects common to all secondary schools, while the optional part relates to the practical subjects, including a variety of shop work for boys, and cooking, sewing, and the related subjects for girls.

The special courses provided for Grades X, XI and XII of Vocational Schools have proved satisfactory. The elasticity of the regulations whereby modifications may be made to suit local conditions has been particularly valuable. From thirty to forty per cent. of the time-table may be devoted to shop work, art or commercial work in Grade X, and from twenty-five to thirty per cent. to home economics. In Grades XI and XII the practical work may cover from fifty to sixty per cent. in each of the several courses.

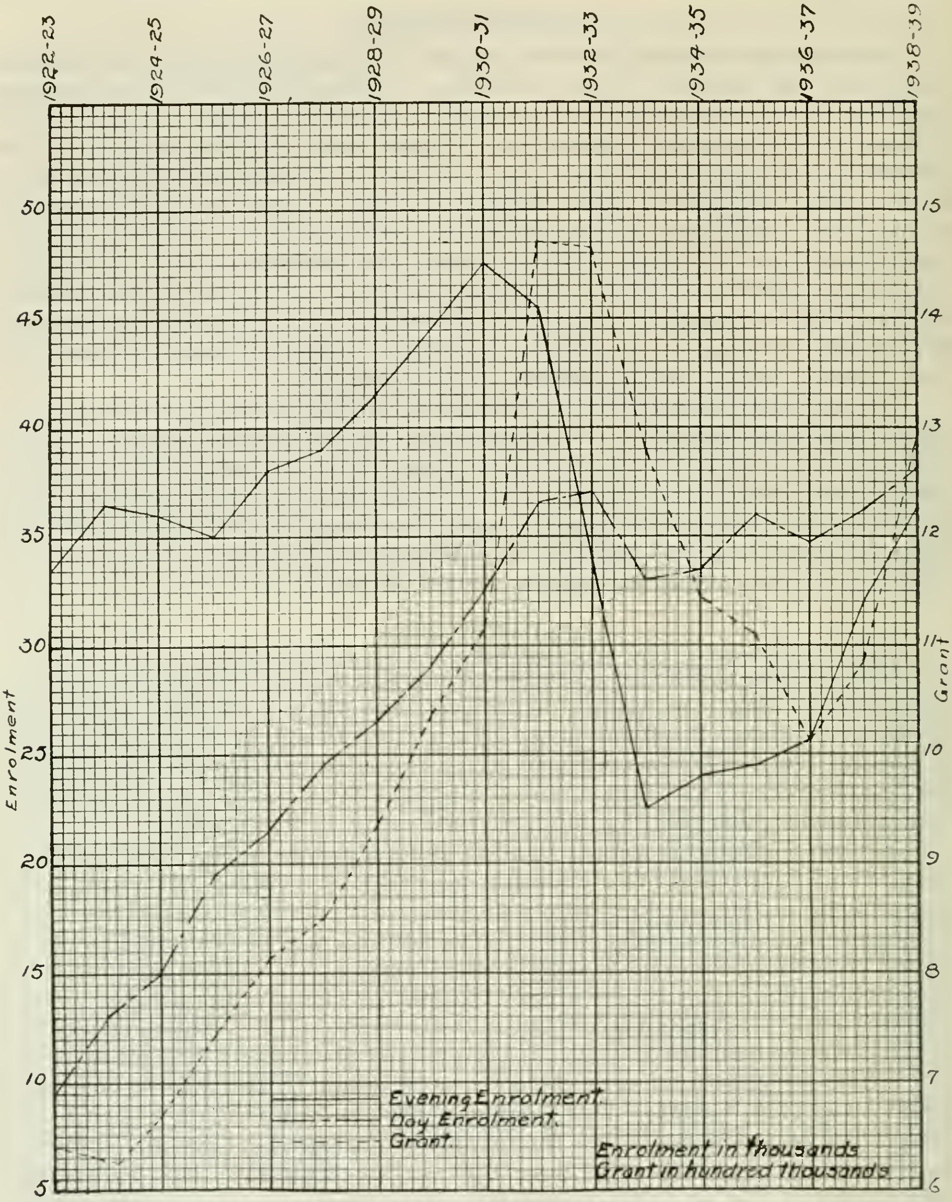
Building Projects

Ottawa—The new technical school referred to in last year's report is almost completed. Formal opening is planned to take place in January, 1940. As already pointed out, this building has been constructed under peculiar difficulties, as the architect and staff respectively were confronted with the problem of carrying on construction and instruction at the same time. It is expected that the new accommodation will fill a long-felt need in the City of Ottawa.

Toronto—Additional accommodation and alterations in the Danforth Technical School for the purpose of relieving congestion are proceeding rapidly. The Department has undertaken to pay 25 per cent. of the cost of the new home economics and science rooms and their equipment, and also of the new music room. It is proposed to make certain alterations and transfers in order to group the electrical shops in the new wing. The cost of such alterations will be borne by the Board. It is anticipated that the new rooms will be ready and the other arrangements completed in time for the opening of school in September, 1939.

Kirkland Lake—Last year the town of Kirkland Lake added a vocational wing to the High School. The opening of the new wing greatly extended the educational opportunities in this community. The school is now fully equipped, and the vocational inspectors have been highly impressed with the general effectiveness of the organization and the pleasant relationship existing between pupils and teachers. The extent to which this vocational branch is meeting the needs of the community is shown by the large number of pupils selecting and continuing the vocational course, and by the successful placement of school graduates in employment. It is becoming increasingly evident that extension of the accommodation will be required in the near future.

Cornwall—The new vocational wing which was added to the Cornwall Collegiate Institute comprises shops, home economics laboratories, auditorium and gymnasium, together with additional classrooms. The large initial enrolment in the industrial classes, for both boys and girls, gives evidence of the suitability of this type of training. This new wing was referred to in last year's report, which had not been published at the time of the opening of the school.



Graph 1. **Vocational Education**

General Shop and Home Economics

Interest continues in the general shop and home economics courses provided for secondary schools other than vocational. The vocational inspectors report increasing enthusiasm and efficiency in the presentation of the courses. The general shop courses are designed to give pupils some acquaintance with trade and industrial practices, to enable them to discover their interests and aptitudes for shop work, and to provide for the development of skills and the acquisition of knowledge fundamental to non-specialized industrial operations and processes commonly found in the farm, the home, and the local shops. The home economics courses are intended to develop in pupils sound standards of living and appreciation of the value of personal and social development, and an opportunity to participate in activities related to personal problems and the management of the home. These special courses have been introduced into 133 secondary schools.

Comparative statistics for vocational schools and departments are as follows:

	1922-23	1937-38	1938-39
Number of Schools—Day	16	61	62
" " " —Evening	51	46	52
Number of Pupils—Day	9,402	36,282	38,157
" " " —Evening	35,511	31,880	36,481
Number of Teachers—Day	337	1,531	1,605
" " " —Evening	1,097	981	1,096
Government Grants	$638,217	$1,248,334	$1,189,627
Municipal Expenditure (Net)	$1,233,397	$4,551,798	$4,590,613

F. S. RUTHERFORD,
Director of Vocational Education.

Toronto, July 15th, 1940.

APPENDIX C

REPORT OF THE DIRECTOR OF PROFESSIONAL TRAINING

Normal School Registration

Normal School	Number of Students					
	1939-40			1938-39		
	Men	Women	Total	Men	Women	Total
Hamilton	27	90	117	15	82	97
London	27	135	162	17	106	123
North Bay	14	88	102	11	63	74
Ottawa	35	98	133	26	94	120
University of Ottawa (1st)	13	23	36	7	19	26
" " " (2nd)	32	117	149	40	110	150
Peterborough	20	74	94	10	54	64
Stratford	27	81	108	22	85	107
Toronto (1st)	97	242	339	63	166	229
Toronto (Primary School Specialist)	......	7	7	......	......	......
Totals	292	955	1,247	211	779	990

The increase in attendance for the year 1939-40 may be ascribed to:—

1. An average increased annual remuneration in counties and districts of $33 for male and $25 for female teachers.

2. A growing equalization of supply and demand in the field of teaching service. It is considered that these two factors are at present in a state of equilibrium. In the larger centres of the Province there is yet a small surplus of teachers; in the districts and more remote counties, a shortage.

3. The graduation of an increased number of candidates for Normal School from the thirteenth grade of secondary schools. The elimination of the second class professional certificate had closed a graduating outlet from the twelfth grade but the resulting augmented flow of students through upper school did not reach its maximum emergence until 1938.

Changes in the Course

1. From time to time the Normal Schools of the Province, either individually or collectively, have tried out various ways of providing more experience in continuous observation and practice teaching with a view to affording teachers-in-training a better practical acquaintance with actual school-room procedure. Guided by the results of these experiments, the Department this year made provision whereby teachers-in-training in the several Normal Schools should each be attached to a rural school in his home vicinity for the week following the Christmas vacation, and for the week following the Easter vacation. Each student is also assigned to a room in an urban school in the vicinity of the Normal School for each of two non-contiguous weeks during the second term. The student-teachers observe the first day, teach several lessons during the next two days,

and take full charge of the school under supervision of the teacher during the remainder of the week. The teachers and inspectors concerned have extended whole hearted co-operation in the carrying out of this project, and it is a general opinion that the graduates of 1940 will enter their schools next September with a more confident as well as a more intelligent understanding of their duties.

2. For the purpose of improving technique as well as for the purpose of evaluating teaching ability, each teacher-in-training is required to teach a minimum of twenty carefully prepared individual lessons under the guidance and advice of experienced practice-school teachers. In rural ungraded practice-schools, however, in place of an individual lesson, teachers-in-training are required to take charge of the whole school for one hour. During this period they teach the several lessons of the regular school programme, assign and supervise seat-work, and assume such other duties as the time-table may require. Besides affording increased practice in general school management, this change was designed to emphasize the importance of seat-work and supervised study in rural ungraded schools, and to give teachers-in-training greater opportunity to improve their technique along these lines. The kindergarten was included with the grades for regular practice teaching with a view to affording teachers-in-training experience in providing for the educational welfare of pupils entering school, and more particularly rural ungraded schools, under the age of six years.

3. Apart from these changes made in practice-teaching the course has been modified in two directions:

(a) For purposes both of instruction and examination the number of subjects has been reduced from fifteen to ten. This has been done with a view to (i) conserving time, a matter of increasing importance since attendance in class has been lessened by the four weeks devoted to continuous observation and practice teaching, (ii) eliminating the multitudinous and often confusing array of teaching methods which emerge from a separatistic treatment of each of many subjects, (iii) giving greater attention, conversely, to the relatively few fundamental principles of education by stressing the continuity of their operation in all of its various fields, (iv) emphasizing the vocational in contradistinction to the academic function of the Normal School.

(b) The course in home economics was demanded of male as well as female teachers-in-training since men as well as women teachers in rural ungraded schools may be required to exercise supervision over the hot lunch and to afford training in the household arts.

Changes in Organization

1. In response to an emergency request, the buildings of the Ottawa Normal-Model School were in October placed at the disposal of the Dominion Government for the duration of the war. The Ottawa Board of Education extended whole-hearted co-operation in effecting necessary changes. Within a two-week period the three hundred and fifty pupils attending Model School were transferred to various public and separate schools throughout the city; twenty-two public school classes were shifted from the Osgoode, Cartier, and Elgin Street Schools, and the Normal School furnishings, equipment, staff, and student body were then established in the Elgin School, all of these changes being brought about without loss of teaching time. Mr. E. Oakes, B.A., B.Paed., Principal of the Model School was appointed inspector in Leeds and Grenville (No. 2); Mr. K. O. Birkin, M.A., B.Paed., Assistant Principal, was appointed inspector in Lennox

Bessborough Public School, Leaside — A Real Community Centre

An example of architectural beauty and spacious grounds. One of the most modern and complete elementary schools in the Province, containing twelve regular classrooms, auditorium, gymnasium, library, home economics room and general shop, with a staff of fifteen and an attendance of approximately 500. This school is the community centre of the Town of Leaside. The Municipal and Police offices are located in the basement, and consequently twenty-four hour janitor service is maintained. Community activities and clubs use the school facilities continuously for their meetings and a fully-equipped kitchen is available for the preparation and serving of refreshments.

and Hastings; Miss Rose Lynch, B.A., B.Paed., was appointed as a Supervising Teacher to assist Mr. J. C. Walsh, Separate School Inspector in S.S. X; Miss M. O. Cleland, B.A., was appointed as Supervising Teacher to assist Mr. C. B. Routley, Inspector of Public Schools in Wentworth. Mr. C. E. Timanus, B.A., Mr. H. C. Redfern, B.A., Miss W. N. Williams, B.A., Miss E. Clark, and Miss E. Mitchell, Mus.B., were attached for full time, and Mr. Duncan MacRae, Mr. Q. S. McKinney, and Miss F. L. Barrigar for part time to the Ottawa Public School staff. Miss A. Elsie Sherin and Miss Dorothea Graham, B.A., were transferred to the Toronto Model School staff. Miss M. R. Elliott and Miss P. Stafford were continued on the Ottawa Normal staff as special assistants to the principal during the period of readjustment. After several trying months of change and re-establishment during which time praiseworthy courage and resourcefulness were displayed by Dr. Jones, his staff, and the student body, the Normal School is now functioning smoothly and happily in its new quarters.

2. To meet emergency situations during the past few years certain inspectors were at various times attached to the staffs of different Normal Schools. The results in every case having worked out beneficially to all concerned, the Department this year adopted the policy of exchanging inspectors and Normal School masters as a regular procedure with a view to affording the Normal School masters first hand experience in the field for which their students are being trained, and the inspectors with first hand acquaintance with the needs and methods of continuing teacher-training in the field. The following exchanges were effected for the year 1939-40; Mr. J. A. Partridge, of the Hamilton Normal School with Inspector L. L. Skuce, Halton; Mr. Maurice H. Park of the Peterborough Normal School with Inspector L. W. Copp, Peterborough East; Inspector A. F. Hansuld to the Stratford Normal School; Mr. G. R. Smith and Dr. H. Bowers of the Ottawa Normal School with, respectively, Inspectors J. C. Webster, Prescott and Russell (No. 1) and L. P. Menzies, Wellington (N.); Dr. Roger Saint-Denis of the University of Ottawa Normal School with Inspector A. Gascon, S.S. XIX.

3. The introduction of the print-script system of writing among the junior grades of the public and separate schools seemed to call for change in methods heretofore followed in presenting that subject. It was considered that print-script, being in fact a form of art, could best be dealt with by the instructor in art; that the diminished time available for the teaching of cursive writing did not warrant retention of the services of outside instructors for that purpose, but that this phase of the subject could now be taught in each Normal School by a member of the regular staff. In losing the services of the following instructors in writing, appreciation is expressed of the excellent results which they accomplished and the fine co-operation which they extended during the many years they were connected with the Normal Schools of the Province: Mr. A. J. Park, Hamilton; Mr. W. F. Marshall, London; Mr. J. A. McKone, Peterborough; Mr. J. C. Logan, Ottawa; and Mr. Arthur F. Hare, Toronto.

4. In April, 1939, a committee composed of representative kindergarten teachers throughout the Province was appointed by the Minister of Education to inquire into the matter of providing adequate training for kindergarten teachers. The report submitted by the committee recommended in brief that (i) the work of the nursery school, kindergarten, grades I and II be recognized as constituting an educational unit to be known as the Primary School, (ii) a two-year training course be provided, the first year of which would coincide largely with the regular Normal School course, while the second year would afford specialized apprentice training in the work of the Primary school.

A Primary-School Specialist course was accordingly organized in the Toronto Normal School for the year 1939-40 to which were admitted graduates of a recognized British University or holders of Interim or Permanent First Class certificates. It is thought that holders of Interim First Class certificates who are particularly adapted for the work of the Primary School may take advantage of this opportunity to specialize in their chosen field of activity and at the same time fulfil all the requirements for a Permanent First Class certificate except that of experience.

Changes in Staffs

In addition to those recorded above, the following changes occurred in the staffs of the several Normal Schools:

Miss A. H. Baker, Kindergarten Directress in the Ottawa Model School retired in June. Miss Baker had served on the staff for a period of thirty-five years, during which time she was instrumental in advancing the cause of kindergarten education not only in the city of Ottawa but throughout the entire province.

Mr. F. C. Biehl, B.A., B.Paed., Principal of the Gibson Public School, Hamilton, was appointed, in September, Mathematical Master at the Stratford Normal School, to take the place of Mr. J. H. Davidson, retired.

Mr. H. E. Elborn, M.A., B.Paed., was appointed in October to the Principalship of the Toronto Normal School in place of Thornton Mustard, deceased. Mr. Elborn received his early education and Normal School training in Stratford. After teaching several years and graduating from Queen's University he served successfully as Inspector, Division X; Normal School Master, Peterborough; Inspector, Waterloo North; and General Editor of Text Books. While occupying the last named position he was closely associated with Stanley Watson and the late Thornton Mustard, who were preparing the new programme of study.

Mr. Jos. W. Firth, B.A., B.Paed., Science Master in the Toronto Normal School retired in July after a prolonged period of illness. Mr. Firth had served on the staff for a period of 17 years and was well known throughout the Province as an exponent of the teaching of agriculture in rural schools.

Lieut. W. Burns, Instructor in Physical Training in the Hamilton Normal School, was assigned additional duty in the Toronto Normal-Model School in place of Nat. Keefe, deceased.

Miss Lillian B. Harding, after 23 years' service as Assistant in the Toronto Model School, retired in September. Miss Harding has long been a contributor to the primary department of *The School*, is the joint author of *Pat and Patsy*, and throughout her career has been a leader in extending to Grades I and II the principles and practice of the kindergarten.

Miss Mabel Hodgins, Kindergarten Directress in the Toronto Model School, was granted sick leave of absence last July.

Miss Jean Care, Assistant Kindergarten Directress in the Toronto Model School, resigned in June to return to the Forest Hill Public School as Kindergarten Directress.

Mrs. C. S. Burke, Kindergarten Directress on loan to the Forest Hill Public School from the Toronto Board of Education, was appointed to the position of

Kindergarten Directress and Primary School Instructor on the staff of the Toronto Normal-Model School.

Mr. C. D. Bouck, Assistant in the Toronto Model School, was a transferred in July to take charge of the Correspondence Courses Branch of the Department of Education.

Sister St. Paul (Berthe Renaud), B.A., Critic Teacher in the Ottawa Bilingual Schools, was appointed to the temporary staff of the University of Ottawa Normal School as Instructor in Art, Music, and Writing.

Obituaries

Mr. Nat. Keefe was born in Bradford, England, 1882. After teaching physical education in Dudley Hill and Drummond Road Schools and representing England on the championship International Team of 1903, he moved to Canada where he was appointed director of physical training in the Y.M.C.A. at Hamilton, and later at Guelph. In September, 1934, he succeeded Major Price as instructor in physical training at the Toronto Normal-Model School. Five years of popular and highly efficient service were terminated by death which came to him suddenly and unexpectedly, November 15, 1939.

Thornton Mustard, B.A., B.Paed., Principal of the Toronto Normal-Model School, was one of the first victims of the war, going down with the torpedoed *Athenia* as he was returning from a holiday in England. Mr. Mustard was born at Brucefield in 1886, received his early training and gained his first teaching experience in Huron County, graduated from the Faculties of Arts and of Education, Toronto University, taught in Toronto, was appointed to the Toronto Model School staff in 1910, to the Headmastership of the Model School in 1922, to the staff of the Normal School in 1925, and to the Principalship of the Toronto Normal School in September, 1938.

During the two years previous to his appointment as Principal he had been relieved of his Normal School duties, and, in conjunction with Mr. Stanley Watson, had been engaged in revising the elementary school course of studies. Owing largely to his enthusiasm, eloquence and human sympathy there was effected with a minimum of delay and confusion what might well be termed a bloodless revolution in the public and separate school system of teaching in the Province. Bonds of formalistic education were shattered, and both teachers and pupils ushered into a new world of freedom and responsibility. Mr. Mustard will long be remembered as a great emancipator and as a friend alike to men and little children.

H. E. Amoss,
Director of Professional Training.

Toronto, May 1st, 1940.

APPENDIX D

REPORT OF THE DIRECTOR OF FRENCH INSTRUCTION ON THE SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS, 1939.

Appointments and Transfers

Sister St. Paul (Miss Berthe Renaud), B.A., formerly on the staff of St. Pierre School, Ottawa, was appointed instructress in the University of Ottawa Normal School.

The following transfers were made for the school year 1939-40:

Mr. Roger Saint-Denis, M.A., of the University of Ottawa Normal School staff, became inspector for R.C. Separate Division XX and Prescott and Russell No. 2.

Mr. Falconio Choquette, B.A., was transferred from R.C. Separate Division XX and Prescott and Russell No. 2 to R.C. Separate Division XIX and District Division XII, Part II.

Mr. Adélard Gascon, B.A., formerly inspector for R.C. Separate Division XIX and District Division XII, Part II, was transferred for the year to the teaching staff of the University of Ottawa Normal School.

Normal School Masters and School Inspectors agree that such an exchange of work for one year will be highly beneficial to them in the performance of their regular duties. It is hoped that this practice may be continued until all French-speaking School Inspectors will have had at least one year's experience on the teaching staff of the Normal School and every Normal School Master, at least a year in the field of inspection.

Training of Teachers—Improvement in Qualifications

In 1938-39, there were 179 teachers-in-training at the University of Ottawa Normal School, 28 of whom were enrolled in the First Class course, and 151 in the Second Class course. As a result of the term and final examinations, 24 students were awarded First Class teachers' certificates and 129 obtained Second Class certificates.

The following table shows the number and percentage of Ontario elementary school French-speaking teachers holding First or Second Class certificates in November, 1939, and the progress made in this regard since 1929.

	1929	1937	1938	1939
Total number of French-speaking teachers in Elementary Schools	1,087	1,281	1,316	1,390
Number of above teachers holding I or II Class certificates	273	1,018	1,135	1,271
Percentage of French-speaking teachers holding I or II Class certificates	25.11	79.46	86.24	91.43

Age-Grade Distribution of Pupils in Elementary Schools

The following tables present a compilation of the French-speaking School Inspectors' Annual Age-Grade Summary Reports for May, 1939:—

TABLE No. 1

AGE-GRADE DISTRIBUTION IN ELEMENTARY SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS, MAY 1939

(A) Separate and Public Schools

(i) RURAL AND URBAN

Grade	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals Per cent.
I	4	157	2,610	3,630	1,588	556	214	103	49	32	9	1	2	.....	.....	.....	8,955	18.16
II	.....	1	73	1,549	2,715	1,567	736	299	127	51	25	4	1	.....	.....	.....	7,148	14.49
III	.....	.....	3	165	1,360	2,129	1,509	790	378	209	66	20	.....	2	.....	.....	6,631	13.45
IV	.....	.....	.....	5	168	1,143	1,927	1,460	938	460	193	63	6	.....	1	.....	6,364	12.90
V	.....	.....	.....	.....	15	231	1,082	1,629	1,348	938	453	149	34	4	.....	.....	5,883	11.93
VI	.....	.....	.....	.....	.....	20	246	1,004	1,445	1,237	750	358	68	7	1	.....	5,136	10.41
VII	.....	.....	.....	.....	.....	.....	35	284	885	1,205	887	536	148	36	2	.....	4,018	8.15
VIII	.....	.....	.....	.....	.....	.....	1	40	292	844	1,058	783	345	66	7	.....	3,436	6.97
IX	.....	.....	.....	.....	.....	.....	.....	1	15	109	275	278	142	59	14	.....	893	1.81
X	.....	.....	.....	.....	.....	.....	.....	.....	3	20	112	182	166	86	15	3	587	1.19
Auxiliary Classes	.....	.....	.....	.....	.....	4	10	5	27	47	73	78	21	3	.....	.....	268	.54
GRAND TOTALS	4	158	2,686	5,349	5,846	5,650	5,760	5,615	5,507	5,152	3,901	2,452	933	263	40	3	49,319	....

NOTE:—Heavy lines denote ideal age spread for each grade. As the school census is taken near the end of the school year, the ideal age spread has been moved forward one year from that shown in former reports.

(ii) RURAL

Grade	Sex	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades
I	Boys	......	59	549	784	448	191	79	46	19	18	5	......	2	.....	.....	......	2,200	
	Girls	4	60	478	709	321	104	43	23	16	5	2	1	......	.....	.....	......	1,766	3,966
II	Boys	......	.....	17	250	558	384	211	94	49	18	13	1	......	.....	.....	......	1,595	
	Girls	......	1	17	300	528	289	138	53	22	7	4	......	......	.....	.....	......	1,359	2,954
III	Boys	......	.....	.....	22	203	412	371	195	124	70	23	7	......	1	.....	......	1,428	
	Girls	......	.....	1	39	274	382	285	126	63	32	4	4	......	1	.....	......	1,211	2,639
IV	Boys	......	.....	.....	......	29	178	396	368	249	134	51	13	1	.....	.....	......	1,419	
	Girls	......	.....	.....	2	46	253	389	277	149	66	26	3	......	.....	.....	......	1,211	2,630
V	Boys	......	.....	.....	......	3	24	160	296	289	206	120	22	8	1	.....	......	1,129	
	Girls	......	.....	.....	......	5	67	241	329	238	148	55	8	2	1	.....	......	1,094	2,223
VI	Boys	......	.....	.....	......	......	2	33	153	240	239	170	64	14	.....	.....	......	915	
	Girls	......	.....	.....	......	......	5	57	227	309	250	121	31	2	.....	.....	......	1,002	1,917
VII	Boys	......	.....	.....	......	......	......	5	36	136	195	162	82	22	3	.....	......	641	
	Girls	......	.....	.....	......	......	......	12	70	205	266	142	53	9	.....	.....	......	757	1,398
VIII	Boys	......	.....	.....	......	......	......	......	4	32	127	163	156	55	12	2	......	551	
	Girls	......	.....	.....	......	......	......	1	13	69	215	226	140	35	12	3	......	714	1,265
IX	Boys	......	.....	.....	......	......	......	......	......	......	10	27	31	19	8	2	......	97	
	Girls	......	.....	.....	......	......	......	......	......	4	25	54	39	20	2	.....	......	144	241
X	Boys	......	.....	.....	......	......	......	......	......	......	1	4	12	13	5	2	......	38	
	Girls	......	.....	.....	......	......	......	......	......	......	......	24	36	32	11	4	......	108	146
TOTALS BY SEXES	Boys	......	59	566	1,056	1,241	1,191	1,255	1,192	1,138	1,018	738	388	134	30	6	1	10,013	
	Girls	4	61	496	1,050	1,174	1,100	1,166	1,118	1,075	1,014	658	315	100	27	7	1	9,366	
GRAND TOTALS	......	4	120	1,062	2,106	2,415	2,291	2,421	2,310	2,213	2,032	1,396	703	234	57	13	2	....	19,379

NOTE:—Heavy lines denote ideal age spread for each grade.

(iii) Urban

Grade	Sex	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades
I	Boys	......	15	772	1,140	480	154	61	24	9	7	1	......	......	......	......	......	2,663	4,989
	Girls	......	23	811	997	339	107	31	10	5	2	1	......	......	......	......	......	2,326	
II	Boys	......	......	22	423	844	556	226	104	41	15	6	2	1	......	......	......	2,240	4,194
	Girls	......	......	17	576	785	338	161	48	15	11	2	1	......	......	......	......	1,954	
III	Boys	......	......	......	30	363	662	481	298	136	70	30	7	......	......	......	......	2,077	3,992
	Girls	......	......	2	74	520	673	372	171	55	37	9	2	......	......	......	......	1,915	
IV	Boys	......	......	......	1	29	283	522	417	299	160	78	37	3	......	......	......	1,829	3,734
	Girls	......	......	......	2	64	429	620	398	241	100	38	10	2	......	1	......	1,905	
V	Boys	......	......	......	......	4	70	294	472	415	331	190	79	20	2	......	......	1,877	3,660
	Girls	......	......	......	......	3	70	387	532	406	253	88	40	4	......	......	......	1,783	
VI	Boys	......	......	......	......	......	9	46	254	421	382	269	158	40	7	1	......	1,587	3,219
	Girls	......	......	......	......	......	4	110	370	475	366	190	105	12	......	......	......	1,632	
VII	Boys	......	......	......	......	......	......	6	62	209	356	287	244	86	27	2	......	1,279	2,620
	Girls	......	......	......	......	......	......	12	116	335	388	296	157	31	6	......	......	1,341	
VIII	Boys	......	......	......	......	......	......	......	8	94	253	278	255	138	29	......	......	1,055	2,171
	Girls	......	......	......	......	......	......	......	15	97	249	391	232	117	13	2	......	1,116	
IX	Boys	......	......	......	......	......	......	......	......	10	36	57	84	52	29	8	......	276	652
	Girls	......	......	......	......	......	......	......	1	1	38	137	124	51	20	4	......	376	
X	Boys	......	......	......	......	......	......	......	......	1	12	34	52	41	31	4	1	176	441
	Girls	......	......	......	......	......	......	......	......	2	7	50	82	80	39	5	......	265	
Auxiliary Classes	Boys	......	......	......	......	......	3	7	1	18	25	44	63	20	3	......	......	184	268
	Girls	......	......	......	......	......	1	3	4	9	22	29	15	1	......	......	......	84	
TOTALS BY SEXES	Boys	......	15	794	1,594	1,720	1,737	1,643	1,640	1,653	1,647	1,274	981	401	128	15	1	15,243	....
	Girls	......	23	830	1,649	1,711	1,622	1,696	1,665	1,641	1,473	1,231	768	298	78	12	......	14,697	....
GRAND TOTALS	......	......	38	1,624	3,243	3,431	3,359	3,339	3,305	3,294	3,120	2,505	1,749	699	206	27	1	....	29,940

NOTE:—Heavy lines denote ideal age spread for each grade.

(B) Separate Schools

(i) RURAL AND URBAN

Grade	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals Per cent.
I	4	128	2409	3,327	1,442	497	194	95	45	28	9	1	2	.....	.....	......	8,181	17.95
II	......	1	62	1443	2,529	1,441	662	265	115	47	22	4	1	.....	.....	......	6,592	14.46
III	......	.....	3	146	1,269	1,976	1,368	724	338	187	63	18	......	1	.....	......	6,093	13.37
IV	......	.....	......	5	157	1,069	1,777	1,335	849	424	177	60	6	.....	1	......	5,860	12.86
V	......	.....	......	......	15	217	1,002	1,505	1,244	853	414	141	31	4	.....	......	5,426	11.90
VI	......	.....	......	......	......	20	233	942	1,356	1,137	679	336	63	7	1	......	4,774	10.47
VII	......	.....	......	......	......	......	27	259	827	1,119	836	502	141	36	2	......	3,749	8.23
VIII	......	.....	......	......	......	......	1	35	278	790	987	714	319	62	7	......	3,193	7.01
IX	......	.....	......	......	......	......	......	1	14	108	274	272	141	59	14	......	883	1.94
X	......	.....	......	......	......	......	......	......	3	20	109	179	162	85	15	3	576	1.26
Auxiliary Classes	......	.....	......	......	......	4	10	5	22	43	71	73	21	3	.....	......	252	.55
GRAND TOTALS	4	129	2,474	4,921	5,412	5,224	5,274	5,166	5,091	4,756	3,641	2,300	887	257	40	3	45,579	....

NOTE:—Heavy lines denote ideal age spread for each grade.

(ii) RURAL

Grade	Sex	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades
I............	Boys	......	50	477	643	383	156	66	41	16	15	5	......	2	......	......	......	1,854	
	Girls	4	46	420	609	261	88	36	20	15	4	2	1	......	......	......	......	1,506	3,360
II............	Boys	......	......	10	227	479	333	181	73	40	16	12	1	......	......	......	......	1,372	
	Girls	......	1	15	266	469	242	109	44	19	5	3	......	......	......	......	......	1,173	2,545
III............	Boys	......	......	......	13	179	356	316	165	100	61	21	7	......	1	......	......	1,219	
	Girls	......	......	1	33	246	325	243	108	54	27	3	2	......	......	......	......	1,042	2,261
IV............	Boys	......	......	......	......	26	156	347	324	204	110	44	12	1	......	......	......	1,224	
	Girls	......	......	......	2	39	220	329	235	129	60	24	3	......	......	......	......	1,041	2,265
V............	Boys	......	......	......	......	3	21	138	257	255	179	97	20	7	1	......	......	978	
	Girls	......	......	......	......	5	60	204	286	201	121	49	7	2	1	......	......	936	1,914
VI............	Boys	......	......	......	......	......	2	28	133	220	207	137	54	10	......	......	......	791	
	Girls	......	......	......	......	......	5	55	206	271	212	108	30	2	......	......	......	889	1,680
VII............	Boys	......	......	......	......	......	......	3	29	122	175	147	70	19	3	......	......	568	
	Girls	......	......	......	......	......	......	7	55	179	229	126	48	9	......	......	......	653	1,221
VIII............	Boys	......	......	......	......	......	......	......	2	25	111	146	138	53	9	2	......	486	
	Girls	......	......	......	......	......	......	1	11	64	188	195	117	30	12	3	......	621	1,107
IX............	Boys	......	......	......	......	......	......	......	......	......	10	27	29	19	8	2	......	95	
	Girls	......	......	......	......	......	......	......	......	4	25	54	36	20	2	......	......	141	236
X............	Boys	......	......	......	......	......	......	......	......	......	1	4	12	13	5	2	1	38	
	Girls	......	......	......	......	......	......	......	......	......	......	23	35	31	11	4	1	105	143
TOTALS BY SEXES........	Boys	......	50	487	883	1,070	1,024	1,079	1,024	982	885	640	343	124	27	6	1	8,625	
	Girls	4	47	436	910	1,020	940	984	965	936	871	587	279	94	26	7	1	8,107	16,732
GRAND TOTALS..	......	4	97	923	1,793	2,090	1,964	2,063	1,989	1,918	1,756	1,227	622	218	53	13	2	16,732	....

NOTE:—Heavy lines denote ideal age spread for each grade.

(iii) URBAN

Grade	Sex	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades
I	Boys	......	13	736	1,108	466	150	61	24	9	7	1	......	......	......	......	......	2,575	4,821
	Girls	......	19	776	967	332	103	31	10	5	2	1	......	......	......	......	......	2,246	
II	Boys	......	......	21	399	815	539	220	100	41	15	5	2	1	......	......	......	2,158	4,047
	Girls	......	......	16	551	766	327	152	48	15	11	2	1	......	......	......	......	1,889	
III	Boys	......	......	......	28	346	642	456	285	129	66	30	7	......	......	......	......	1,989	3,832
	Girls	......	......	2	72	498	653	353	166	55	33	9	2	......	......	......	......	1,843	
IV	Boys	......	......	......	1	29	278	506	400	283	155	72	35	3	......	......	......	1,762	3,595
	Girls	......	......	......	2	63	415	595	376	233	99	37	10	2	......	1	......	1,833	
V	Boys	......	......	......	......	4	68	286	455	399	314	185	74	18	2	......	......	1,805	3,512
	Girls	......	......	......	......	3	68	374	507	389	239	83	40	4	......	......	......	1,707	
VI	Boys	......	......	......	......	......	9	45	245	409	367	259	151	39	7	1	......	1,532	3,094
	Girls	......	......	......	......	......	4	105	358	456	351	175	101	12	......	......	......	1,562	
VII	Boys	......	......	......	......	......	......	6	60	202	345	277	236	82	27	2	......	1,237	2,528
	Girls	......	......	......	......	......	......	11	115	324	370	286	148	31	6	......	......	1,291	
VIII	Boys	......	......	......	......	......	......	......	8	94	252	267	240	126	28	......	......	1,015	2,086
	Girls	......	......	......	......	......	......	......	14	95	239	379	219	110	13	2	......	1,071	
IX	Boys	......	......	......	......	......	......	......	......	9	36	57	83	52	29	8	......	274	647
	Girls	......	......	......	......	......	......	......	1	1	37	136	124	50	20	4	......	373	
X	Boys	......	......	......	......	......	......	......	......	1	12	33	51	41	31	4	1	174	433
	Girls	......	......	......	......	......	......	......	......	2	7	49	81	77	38	5	......	259	
JR. AUXILIARY CLASSES	Boys	......	......	......	......	......	3	7	1	13	21	42	58	20	3	......	......	168	252
	Girls	......	......	......	......	......	1	3	4	9	22	29	15	1	......	......	......	84	
TOTALS BY SEXES	Boys	......	13	757	1,536	1,660	1,689	1,587	1,578	1,589	1,590	1,228	937	382	127	15	1	14,689	28,847
	Girls	......	19	494	1,592	1,662	1,571	1,624	1,599	1,584	1,410	1,186	741	287	77	12	......	14,158	
GRAND TOTALS	......	......	32	1,551	3,128	3,322	3,260	3,211	3,177	3,173	3,000	2,414	1,678	669	204	27	1	28,847	......

NOTE:—Heavy lines denote ideal age spread for each grade.

(C) **Public Schools**

(i) RURAL AND URBAN

Grade	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals Per cent.
I	29	201	303	146	59	20	8	4	4	......	......	.....	.....	.....	......	774	20.70
II	......	11	106	186	126	74	34	12	4	3	......	.....	.....	.....	......	556	14.87
III	......	......	19	91	153	141	66	40	22	3	2	.....	1	.....	......	538	14.39
IV	......	......	......	11	74	150	125	89	36	16	3	.....	.....	.....	......	504	13.46
V	......	......	......	......	14	80	124	104	85	39	8	3	.....	.....	......	457	12.22
VI	......	......	......	......	......	13	62	89	100	71	22	5	.....	.....	......	362	9.68
VII	......	......	......	......	......	8	25	58	86	51	34	7	.....	.....	......	269	7.19
VIII	......	......	......	......	......	......	5	14	54	71	69	26	4	.....	......	243	6.50
IX	......	......	......	......	......	......	......	1	1	1	6	1	.....	.....	......	10	.27
X	......	......	......	......	......	......	......	......	......	3	3	4	1	.....	......	11	.29
AUXILIARY CLASSES	......	......	......	......	......	......	......	5	4	2	5	.....	.....	.....	......	16	.43
GRAND TOTALS	29	212	428	434	426	486	449	416	396	260	142	46	6	.....	......	3,740	....

NOTE:—Heavy lines denote ideal age spread for each grade.

(ii) RURAL

Grade	Sex	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades
I	Boys	9	72	141	65	35	13	5	3	3	.....	.....	.....	.....	.....	.....	346	606
	Girls	14	58	100	60	16	7	3	1	1	.....	.....	.....	.....	.....	.....	260	
II	Boys	.....	7	23	79	51	30	21	9	2	1	.....	.....	.....	.....	.....	223	409
	Girls	.....	2	34	59	47	29	9	3	2	1	.....	.....	.....	.....	.....	186	
III	Boys	.....	.....	9	24	56	55	30	24	9	2	.....	.....	.....	.....	.....	209	378
	Girls	.....	.....	6	28	57	42	18	9	5	1	2	.....	1	.....	.....	169	
IV	Boys	.....	.....	.....	3	22	49	44	45	24	7	1	.....	.....	.....	.....	195	365
	Girls	.....	.....	.....	7	33	60	42	20	6	2	.....	.....	.....	.....	.....	170	
V	Boys	.....	.....	.....	.....	3	22	39	34	27	23	2	1	.....	.....	.....	151	309
	Girls	.....	.....	.....	.....	7	37	43	37	27	6	1	.....	.....	.....	.....	158	
VI	Boys	.....	.....	.....	.....	.....	5	20	20	32	33	10	4	.....	.....	.....	124	237
	Girls	.....	.....	.....	.....	.....	2	21	38	38	13	1	.....	.....	.....	.....	113	
VII	Boys	.....	.....	.....	.....	.....	2	7	14	20	15	12	3	.....	.....	.....	73	177
	Girls	.....	.....	.....	.....	.....	5	15	26	37	16	5	.....	.....	.....	.....	104	
VIII	Boys	.....	.....	.....	.....	.....	.....	2	7	16	17	18	2	3	.....	.....	65	158
	Girls	.....	.....	.....	.....	.....	.....	2	5	27	31	23	5	.....	.....	.....	93	
IX	Boys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	2	5
	Girls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3	
X	Boys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Girls	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	3	3
TOTALS BY SEXES	Boys	9	79	173	171	167	176	168	156	133	98	45	10	3	.....	.....	1,388	2,647
	Girls	14	60	140	154	160	182	153	139	143	71	36	6	1	.....	.....	1,259	
GRAND TOTALS	.....	23	139	313	325	327	358	321	295	276	169	81	16	4	.....	.....	2,647	.....

NOTE:—Heavy lines denote ideal age spread for each grade.

(iii) URBAN

Grade	Sex	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades
I	Boys	2	36	32	14	4	......	......	......	......	......	......	......	......	......	......	88	168
	Girls	4	35	30	7	4	......	......	......	......	......	......	......	......	......	......	80	
II	Boys	......	1	24	29	17	6	4	......	......	1	......	......	......	......	......	82	147
	Girls	......	1	25	19	11	9	......	......	......	......	......	......	......	......	......	65	
III	Boys	......	......	2	17	20	25	13	7	4	......	......	......	......	......	......	88	160
	Girls	......	......	2	22	20	19	5	......	4	......	......	......	......	......	......	72	
IV	Boys	......	......	......	......	5	16	17	16	5	6	2	......	......	......	......	67	139
	Girls	......	......	......	1	14	25	22	8	1	1	......	......	......	......	......	72	
V	Boys	......	......	......	......	2	8	17	16	17	5	5	2	......	......	......	72	148
	Girls				......	2	13	25	17	14	5	......	......	......	......	......	76	
VI	Boys	......	......	......	......	......	1	9	12	15	10	7	1	......	......	......	55	125
	Girls	......	......	......	......	......	5	12	19	15	15	4	......	......	......	......	70	
VII	Boys	......	......	......	......	......	......	2	7	11	10	8	4	......	......	......	42	92
	Girls	......	......	......	......	......	1	1	11	18	10	9	......	......	......	......	50	
VIII	Boys	......	......	......	......	......	......	......	......	1	11	15	12	1	......	......	40	85
	Girls	......	......	......	......	......	......	1	2	10	12	13	7	......	......	......	45	
IX	Boys	......	......	......	......	......	......	......	1	......	......	1	......	......	......	......	2	5
	Girls	......	......	......	......	......	......	......	......	1	1	......	1	......	......	......	3	
X	Boys	......	......	......	......	......	......	......	......	......	1	1	......	......	......	......	2	8
	Girls	......	......	......	......	......	......	......	......	......	1	1	3	1	......	......	6	
Auxiliary Classes	Boys	......	......	......	......	......	......	......	5	4	2	5	......	......	......	......	16	16
	Girls	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	
TOTALS BY SEXES	Boys	2	37	58	60	48	56	62	64	57	46	44	19	1	......	......	554	
	Girls	4	36	57	49	51	72	66	57	63	45	27	11	1	......	......	539	
GRAND TOTALS	......	6	73	115	109	99	128	128	121	120	91	71	30	2	......	......	1,093	1,093

NOTE:—Heavy lines denote ideal age spread for each grade.

TABLE No. 2

ANALYSIS OF AGE-GRADE DISTRIBUTION IN RELATION TO IDEAL AGE SPREAD IN ELEMENTARY RURAL AND URBAN SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS, MAY 1939

(A) Separate and Public Schools

GRADE	Under Ideal Age Spread		Within Ideal Age Spread		Over Ideal Age Spread	
	Number	Per cent.	Number	Per cent.	Number	Per cent.
I	161	1.80	7,828	87.41	966	10.79
II	74	1.03	5,831	81.58	1,243	17.39
III	168	2.53	4,998	75.38	1,465	22.09
IV	173	2.72	4,530	71.18	1,661	26.10
V	246	4.20	4,059	69.03	1,577	26.77
VI	266	5.18	3,686	71.77	1,184	23.05
VII	319	7.94	2,977	74.09	722	17.97
VIII	333	9.69	2,685	78.14	418	12.17
IX	125	14.00	695	77.82	73	8.18
X	135	23.00	434	73.93	18	3.07
Totals	2,001	4.08	37,725	76.91	9,325	19.01

NOTE:—The 268 pupils enrolled in Auxiliary classes are not included in the above table.

(B) Separate Schools

GRADE	Under Ideal Age Spread		Within Ideal Age Spread		Over Ideal Age Spread	
	Number	Per cent.	Number	Per cent.	Number	Per cent.
I	132	1.61	7,178	87.74	871	10.65
II	63	.96	5,413	82.11	1,116	16.93
III	149	2.45	4,613	75.71	1,331	21.84
IV	162	2.76	4,181	71.35	1,517	25.89
V	232	4.27	3,751	69.13	1,443	26.60
VI	253	5.30	3,435	71.95	1,086	22.75
VII	286	7.63	2,782	74.21	681	18.16
VIII	314	9.84	2,491	78.01	388	12.15
IX	123	13.93	687	77.80	73	8.27
X	132	22.92	426	73.96	18	3.12
Totals	1,846	4.07	34,957	77.12	8,524	18.81

NOTE:—The 252 pupils enrolled in Auxiliary classes are not included in the above table.

(C) Public Schools

GRADE	Under Ideal Age Spread		Within Ideal Age Spread		Over Ideal Age Spread	
	Number	Per cent.	Number	Per cent.	Number	Per cent.
I	29	3.75	650	83.98	95	12.27
II	11	1.98	418	75.18	127	22.84
III	19	3.53	385	71.56	134	24.91
IV	11	2.18	349	69.25	144	28.57
V	14	3.06	308	67.40	135	29.54
VI	13	3.59	251	69.34	98	27.07
VII	33	12.27	195	72.49	41	15.24
VIII	19	7.82	194	79.83	30	12.35
IX	2	20.00	8	80.00	....	....
X	3	27.27	8	72.73	....	....
Totals	154	4.14	2,766	74.27	804	21.59

NOTE:—The 16 pupils enrolled in Auxiliary classes are not included in the above table.

TABLE No. 3

GRADE-ENROLMENT DISTRIBUTION IN ELEMENTARY SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS, MAY 1939

(A) Separate and Public Schools

Grades	Rural		Urban		Rural and Urban	
	Number	Per cent.	Number	Per cent.	Number	Per cent.
I-IV	12,189	62.90	16,909	56.48	29,098	59.00
V-VIII	6,803	35.10	11,670	38.98	18,473	37.46
IX-X	387	2.00	1,093	3.65	1,480	3.00
Auxiliary	....	....	268	.89	268	.54

(B) Separate Schools

Grades	Rural		Urban		Rural and Urban	
	Number	Per cent.	Number	Per cent.	Number	Per cent.
I-IV	10,431	62.34	16,295	56.49	26,726	58.64
V-VIII	5,922	35.40	11,220	38.89	17,142	37.61
IX-X	379	2.26	1,080	3.75	1,459	3.20
Auxiliary	....	....	252	.87	252	.55

(C) Public Schools

Grades	Rural		Urban		Rural and Urban	
	Number	Per cent.	Number	Per cent.	Number	Per cent.
I-IV	1,758	66.41	614	56.18	2,372	63.42
V-VIII	881	33.28	450	41.17	1,331	35.59
IX-X	8	.31	13	1.19	21	.56
Auxiliary	....	....	16	1.46	16	.43

The following excerpts from French-speaking inspectors' reports could very well apply to the general progress which was achieved during the last few years in regard to grade-enrolment distribution in the schools attended by French-speaking pupils:—

It is worthy of note that the percentage of repeaters in this school has dropped from 27 per cent. to 19 per cent. of the total enrolment since 1937. (Inspector's report on a three-roomed school in Eastern Ontario.)

The percentage of pupils who are beyond the ideal age spread in the various grades is steadily decreasing. Such pupils are now rapidly moving into the higher grades, while the lower grades are now being kept comparatively free of repeaters. The percentage of such pupils has dropped from 31 per cent. to 24 per cent. since last year, and there are possibilities of further decrease within the next year or so. This more normal promotion of pupils from grade to grade has greatly equalized the distribution of pupils in the lower classes and has considerably increased the enrolment in all the higher grades. I am particularly pleased with the good training that the younger pupils are being given in French conversation, French reading, and English conversation in the primary class. I note also improvement in the oral and written English of Grades III and IV. (Inspector's report on a six-roomed village school in Eastern Ontario.)

It is interesting to compare in the following table the grade-enrolment distribution for the years 1937 and 1939 in all Ontario Separate Schools attended by French speaking pupils:—

Separate Schools

Grade	1937		1939	
	Number	Per cent.	Number	Per cent.
I	12,315	27.80	8,181	17.95
II	6,189	13.97	6,592	14.46
III	3,362	7.59	6,093	13.37
IV	4,768	10.56	5,860	12.86
V	5,246	11.84	5,426	11.90
VI	4,430	10.00	4,774	10.47
VII	3,416	7.72	3,749	8.23
VIII	3,018	6.81	3,193	7.01
IX	795	1.79	883	1.94
X	662	1.49	576	1.26
Auxiliary	192	.43	252	.55
Totals	44,303	....	45,579	....

Such progress within the short period of two or three years is very encouraging. Continued effort will be necessary, however, to bring about the desired age-grade distribution of pupils and to check the excessive drop in enrolment in the senior grades of the elementary school.

Libraries in Public and Separate Schools Attended by French-speaking Pupils

The following figures, taken from the inspectoral returns, show the remarkable expansion of school libraries in the last few years:—

	1935-36	1936-37	1937-38	1938-39
Number of books purchased	6,874	8,384	13,366	30,451

	June 1938	June 1939
Total number of books in school libraries	124,675	155,126
Estimated value of books in school libraries	$52,947	$69,177

Elementary school boards, teachers and inspectors are to be commended for these splendid results. A good school library is an important educational agency.

Secondary School Classes

The following table shows the number of French-speaking pupils enrolled in December 1939 in the advanced French courses of Collegiate Institutes, High, Continuation, and Vocational Schools under Departmental supervision:—

Grade	IX	X	XI	XII	XIII	Total
Number enrolled	392	235	203	130	67	1,027

In December 1938, the total enrolment in French-speaking provincially-controlled secondary school classes was 839. This increase of 188 students—

22 per cent. of the 1938 enrolment—is quite promising. However, while approximately 2,000 students are also pursuing their studies in Grades IX and X of the elementary schools or in private institutions, it is evident that much remains to be done throughout the province in order to raise the percentage of the French-speaking secondary school enrolment from 6 or 7 per cent. to at least 18 or 20 per cent. of the total French-speaking school enrolment.

It is hoped that teachers and inspectors will continue their successful effort in that regard and that elementary school pupils will realize more and more the importance of availing themselves of the splendid opportunities this province offers in secondary and university education.

Provincial Contest

The finals of the second annual provincial contest among the Grade VIII French-speaking pupils were held in Ottawa on May 19th, 1939. Twenty-two contestants—the winning boy and the winning girl from each of the eleven French-speaking inspectorates—took part in this final competition. The four provincial winners, who were awarded secondary school scholarships, were as follows:

1st boy: Michel Masson, 13, Garneau School, Ottawa;
1st girl: Suzanne Rinfret, 13, St-Pierre School, Ottawa;
2nd boy: Raymond Gélinas, 14, R.C.S.S. No. 1, Caldwell, Verner;
2nd girl: Pauline Larocque, 12, Sacré-Coeur School, Hawkesbury.

Besides drawing parents and teachers into closer co-operation, these annual contests awaken interest, and encourage the pupils to undertake and complete their secondary school education.

A New Approach to French Reading

In September 1939, a new pre-primer in French, entitled *Frou-Frou et Fin-Fin*, was introduced in Grade I classes attended by French-speaking pupils. A teacher's manual to accompany the new reader was also prepared and distributed to the teaching staff.

While the method advocated in this book constitutes an innovation in the schools attended by French-speaking pupils in Canada, it has been used quite extensively in France in recent years and has been, since 1936, the only method recommended for the teaching of French reading in Grade I classes by the Department of Education of Belgium. Briefly stated, this method, known as *méthode globale*, consists in presenting a word or a short sentence as reading assignment instead of proceeding from syllables or letters. In teaching a pupil to read, the teacher is thus following the same natural method which the parents have used in teaching their child to speak. Coloured illustrations and well directed conversational exercises enable the child to discover for himself the short story which he is called upon to read. Rapid progress in the reading lessons is ensured by a scientifically graded vocabulary and frequent repetitions.

Instead of beginning his school career by facing a great number of unknown isolated symbols or being asked to repeat syllables which are meaningless, the child is led to discover expressions that he has already used orally and which recall past experiences to his mind. The main difference, therefore, between the old alphabetical or the syllabic approach to reading and the *méthode globale* consists in transferring to the thought and sentiment contained in the reading matter the importance given heretofore to phonic elements.

The study of phonics is not abandoned; it is postponed for a few weeks while the dangers of its dullness are attenuated. In the course of his second month at school, the pupil begins to analyse certain words and syllables into their component parts and to construct new words by means of these elements. This is the stage at which phonetic analysis, during brief periods at first, begins to lend assistance to the word and sentence method. Until the pupil has mastered the mechanics of reading, the two methods are carried on together, the study of phonics gradually increasing in importance and the *méthode globale* retaining its place of honour to maintain the child's interest and to ensure continued expressive reading.

At the end of the year, a thorough survey was made to ascertain the value of this new method in the schools. Reports were received from all French-speaking Grade I teachers and from the inspectors. Briefly summarized, these reports show that the large majority of primary teachers commend highly the effectiveness of the new approach to French reading. The inevitable hesitation with which some members of the teaching staff accepted this new method soon gave way to enthusiastic approval in view of the rapid progress made by their pupils.

In the light of these very successful results obtained with *Frou-Frou et Fin-Fin*, it is hoped that eventually a complete series of new readers in French will be developed in this province. In so doing, more stress should be laid, in the pupil's book, on the selection of appropriate reading matter appealing to the interests of the child, on coloured illustration so useful for oral language exercises, and on a carefully graded vocabulary. Drill exercises on the mechanics of reading, which have too long been prominent in some readers, should be relegated to a Teacher's Manual along with the methodology of the subject.

ROBERT GAUTHIER.
Director of French Instruction.

Toronto, April 30th, 1940.

APPENDIX E

REPORT OF THE PRINCIPAL OF THE ONTARIO TRAINING COLLEGE FOR TECHNICAL TEACHERS

Classes and Enrolment, 1938-39

In the school year beginning in September, 1938, and ending in June, 1939, courses for the following certificates were offered at the Ontario Training College for Technical Teachers:

Ordinary Vocational Certificate,
Intermediate Manual Training Certificate,
Elementary Manual Training Certificate, Type B, Part I,
Elementary Home Economics Certificate, Type C, Part I.

The classes for the Elementary Manual Training and Elementary Home Economics Certificates were held on Saturdays in Hamilton and Ottawa.

The enrolment in these classes was as follows:

Ordinary Vocational Certificate	18
Intermediate Manual Training	14
Elementary Manual Training, Type B, Part I:	
at Hamilton	50
at Ottawa	42
Elementary Home Economics, Type C, Part I:	
at Hamilton	19
at Ottawa	28
Total	171

Summer Session, 1939

The classes offered in the summer session of 1939 were attended by large numbers. The enrolment was as follows:

1. MANUAL TRAINING OR SHOP WORK:

(a) HAMILTON		
Elementary Manual Training, Type B, Part I	176	
Elementary Manual Training, Type B, Part II	190	
Elementary Manual Training, Type A, Part I	45	
Elementary Manual Training, Type A, Part II	86	
Specialist Manual Training, Part I	11	
Specialist Manual Training, Part II	24	
Specialist Manual Training, Part III	20	
Specialist Extension	4	
(b) OTTAWA		
Elementary Manual Training, Type B, Part I	57	
		613

2. HOME ECONOMICS:		
(a) Hamilton		
Elementary Home Economics, Type C, Part I	135	
Elementary Home Economics, Type C, Part II	205	
(b) Ottawa		
Elementary Home Economics, Type C, Part I	93	
(c) Toronto		
Elementary Home Economics, Type A, Part I	11	
Elementary Home Economics, Type B, Part I	41	
Elementary Home Economics, Type B, Part II	59	
		544
3. VOCATIONAL GUIDANCE		27
4. VOCATIONAL:		
Principals	24	
Specialists	35	
Ordinary Permanent	6	
Special	2	
Sewing and Dressmaking, Part I	36	
Sewing and Dressmaking, Part II	22	
	125	
Less duplicates	21	
		104
Total		1,288

The supply of duly qualified teachers of practical subjects in the vocational schools is not equal to demand. Some school boards are finding difficulty in securing certificated teachers of certain types of shop work. The situation is becoming so acute that if the schools are to continue to give satisfactory service something must be done to recruit desirable prospects. The war has aggravated the situation. Some of the shop teachers in technical schools can get higher pay in industry than they are getting in the schools.

The teacher is the most important factor in the success of any school. In the vocational school it is especially important that the shop teacher shall have such knowledge and skill that he will hold the respect not only of his pupils but of his public. He must not only know but must be able to do. It is essential, therefore, that desirable candidates be encouraged to take the course required in preparation for service as teachers in vocational departments.

F. P. Gavin,
Principal.

Hamilton, September 6th, 1940.

APPENDIX F

REPORT OF THE INSPECTOR OF AGRICULTURAL CLASSES

Courses in Agriculture

Optional courses in Agriculture have been provided by the Department of Education for elementary schools since 1903 and for secondary schools since 1913. The increase in the number of schools taking the subject in early years was gradual, but has been more rapid in recent years, particularly in the secondary schools. The need of an education as a preparation for practical farming has not, in the past, been recognized on a par with that deemed necessary for the professions, business, and industry. This may be due to (1) the limited objectives, while of school age, of boys and girls who are to remain on farms, (2) the fact that many of the studies taken in a general course are necessary in any walk of life including farming, (3) the idea, still more or less prevalent, that farming needs no special training beyond practices which can be learned on the farm. In recent years trustees, teachers, parents and pupils are realizing that agricultural instruction in the schools has a general educational value for all pupils and a particular vocational value for those who may later engage in farming. In pioneer days, farming had to do largely with clearing the land and the production of crops from the fertile, virgin soil. To-day, farming has become a complex activity involving many operations based on scientific principles and knowledge. Whether in specialized farming, such as fruit growing and poultry raising, or in general farming, the successful farmer must have a particular knowledge of soils, methods of cultivation, the use of fertilizers, control of weeds, insects and plant diseases, and methods of planting, growing, and harvesting crops. He must also know something of marketing requirements and general business principles. The present courses in Agriculture offer information on all of these topics and pupils who have taken these courses will be better able to cope with practical problems as they arise in later years.

Elementary Schools

Interest in agricultural instruction is being well maintained in the elementary schools of Ontario. Changes in regulations which have curtailed and finally eliminated special grants to teachers have not materially reduced the number of elementary schools taking the work, though the schools reporting are somewhat fewer than formerly. On the other hand, grants paid to boards as a refund of expenditure have increased indicating a greater interest on the part of trustees in the purchase of equipment and materials for maintaining instruction. In September, 1939, new regulations were introduced which provided for instruction in Agriculture as an optional subject in Grades VII, VIII, IX, and X in Public andSeparate schools. The courses formerly taken in Grades V and VI are now taken as a part of courses in Science. The number of school gardens has increased from 1,580 in 1937 to 1,941 in 1939. The character of the planting and the provision for care during the summer show a marked improvement in many schools. The payment of a larger grant for a school with a school garden has been discontinued. The regulations now provide that in addition to classroom instruction the teacher must conduct at least four out of nine practical activities

Ottawa Pupils cultivating their School Garden Plots.

of which gardening is one. Other activities suggested are related to care and improvement of the school lawn; the planting and care of trees, shrubs and flower beds; carrying on a home project programme; or participation in the school fair programme. An increase in the number of certificated teachers from 3,113 in 1937 to 3,715 in 1939 has also been a factor in raising the standard of instruction. In the fall of 1939 a revised programme of school fair activities in which school exhibits were stressed and the number of competitive classes curtailed was introduced and was generally regarded as an improvement on the former plan under which nearly all exhibits were judged on a competitive basis.

Secondary Schools

The number of secondary schools now taking Agriculture is 170, a total increase of 37 in the last five years. The increase in the number of schools taking both lower and middle school courses from 103 in 1938 to 118 in 1939 is most gratifying and is largely due to the better correlation of topics in Science and Agriculture in the new courses for middle school. School gardens are maintained in 158 schools, two have a flower garden and ten have no garden. Several of those without a garden are in cities where there is difficulty in securing land near the school at a reasonable rental. Activities in most schools have to do with planting, care and harvesting of common vegetables, and growing of perennial and annual flowers. The pupils learn methods of planting and the use of garden tools. In some of the larger gardens, three- and four-year crop rotations are followed and experimental plots with fertilizers are conducted. Planting and care of fruit trees and bush fruits is also practised. Greater emphasis on practical applications and activities is being urged and there is a gratifying response from boards and teachers. All schools have incubators and eggs are hatched each spring, the chicks being distributed among the pupils for rearing at home. A number of schools have poultry houses in which chicks are reared in the spring, and in which hens are kept during the winter. To illustrate the nature of the work the following list of practical activities conducted in a typical high school is given: forcing bulbs for winter boom; collection and identification of weed seeds; home project programme; raising 250 chicks in the spring; keeping 18 hens from October 1st to February 28th and showing a profit; operation of a hotbed; planting and care of the school garden, fruit trees, and shrubs; care of a grass plot; fertilizer experiments; care of a forestry plot; landscaping work in care of grounds; pruning and grafting apple trees and making insect collections. Similar programmes are carried on in many schools and the experience is of interest and value to all pupils whether boys or girls, rural or urban.

During the year instructions for making soil tests for the presence of nitrates, phosphates, and potash were sent to all schools taking Part II of middle school. The Department of Education has also purchased and sent to all elementary schools and to secondary schools taking Agriculture, coloured pictures of breeds of beef cattle and draft horses. These pictures are similar to those of the dairy breeds of cattle distributed last year. It is expected that pupils will develop an increased interest in the breeds of live stock represented, through the display and study of these pictures in the schools.

Through the co-operation of the editor of *The School* a number of articles on agricultural topics were published during the year. These articles were written by teachers on practical activities which had been stressed in their work.

The subsequent paragraphs of this report give statistics and comments showing the progress of agricultural instruction in the elementary schools, secondary schools, summer schools, and the Normal Schools.

Public and Separate Schools

The number of schools which have met the requirements of the regulations and qualified for grants for Form III, Form IV, and Form V, since 1903, is given in the abbreviated table following:

Year	Number of Schools	With School Gardens	With Home Gardens
1903	4	....	....
1913	159	....	....
1914	264	208	56
1920	1,648	702	946
1928	3,395	1,059	2,336
1932	4,906	1,344	3,562
1937	5,065	1,580	3,485
1938	4,928	1,743	3,185
1939	4,749	1,941	2,808

The figures for 1939 are based on the number of reports received at the Department for the school year ending June 30th, 1939, and show that agricultural instruction was given in 66.3 per cent. of all the elementary schools, in 67.2 per cent. of all rural schools and 61.4 per cent. of all urban schools. The decrease in the number of rural schools is due to changes in regulations previously mentioned. There is, however, an increase of 5 per cent. in the number of urban schools for 1939.

The following table shows the certificates held by teachers engaged in the work for the years given:

Year	Elementary	Elementary Part I	Intermediate	Intermediate Part I	Totals
1934	1,552	86	144	10	1,792
1935	1,957	106	163	16	2,242
1936	2,092	208	188	22	2,510
1937	2,351	502	218	42	3,113
1938	2,864	444	259	52	3,619
1939	3,132	238	312	33	3,715

In addition to the courses for Form III and Form IV, Agriculture of the Lower School course was taken in fifth classes of 585 schools under the Regulations for Public and Separate Schools. The Lower School courses taught by a teacher holding an Intermediate Certificate are taken under the high School Regulations in the following schools: *Cameron Public School; Elizabeth Ziegler Public School, Waterloo; R.C.S.S. No. 6 Ellice and Logan, Kinkora; Hearst Public School, No. 5 Sandwich East; Mono Mills Public School; Port McNicoll Public School; St. Andrew's West Separate School; St. Raphael's West Separate School; Victoria Public School, Kitchener; Tecumseh Public School; Toronto Public Schools: Brown, General Mercer, Kimberley, McMurrich, Perth Avenue.

*Introduced September 1939.

Secondary Schools

Instruction in Agriculture in secondary schools is provided under three schemes as stated below and may be taken in those schools which meet the requirements of the Department of Education.

1. Optional classes in Lower and Middle School as a part of the course for Normal Entrance or Matriculation.
2. Department of Agriculture under the High Schools Act.
3. Department of Agriculture under the Vocational Education Act.

Under scheme (1) above, Agriculture was taught during the year in the schools listed below. Under (a) are the schools in which Lower School courses only are taken, and under (b) both Lower and Middle School courses.

Collegiate Institutes

(a) Clinton, Cornwall, Goderich, Ingersoll, Kitchener, Oshawa, Perth, Seaforth, York Memorial, Vaughan Road. Total 10.

(b) Barrie, Belleville, Brockville, Cobourg, East York, Fort William, Lindsay, Napanee, Orillia, Picton, Port Arthur, Renfrew, Runnymede, Scarborough, Smith's Falls, Stamford, Strathroy. Total 17.

High Schools

(a) Blenheim, Bracebridge, Cobalt, Durham, *Elora, Englehart, Essex, Havelock, Lakefield, Lucan, Markham, *Marmora, Mattawa, Maxville, Meaford, Merritton, Mount Forest, Niagara, Orangeville, Port Credit, Ridgeway, Shelburne, Sydenham, Tilbury, Williamstown. Total 25.

(b) Alexandria, Alliston, Amherstburg, Arthur, Athens, Beamsville, Bowmanville, Brighton, Burford, Burlington, Caledonia, Cayuga, Chesterville, Dundas, Dunnville, Elmira, Fergus, Forest, Fort Frances, Grimsby, Hagersville, Haileybury, Harrow, Iroquois, Kemptville, Kincardine, Kingsville, Leamington, Listowel, Madoc, Markdale, Midland, Milton, Mitchell, Morewood, Nepean, Newburgh, New Liskeard, Norwich, Norwood, Oakville, Omemee, Petrolia, Port Elgin, Port Perry, Rainy River, Ridgetown, Saltfleet, Simcoe, Smithville, Stirling, Streetsville, Trenton, Tweed, Uxbridge, Waterdown, Waterford, Watford, Whitby, Winchester. Total 60.

Continuation Schools

(a) Ailsa Craig, Arkona, Bothwell, Burk's Falls, Chatsworth, Coldwater, Eganville, *Elgin, Forester's Falls, *Forest Hill Village, Grand Valley, Hensall, *Minesing, New Hamburg, Richard's Landing, *Russell, Stevensville. Total 17.

(b) Agincourt, Ayr, Beaverton, Brooklin, Brownsville, Comber, Delta, Drayton, Dumbo, Embro, Florence, Fordwich, Ilderton, Inglewood, Little Britain, Lobo, Lynden, Lyndhurst, Melbourne, Merlin, Merrickville, Milverton, Mindemoya, Mount Albert, Mount Brydges, Mount Elgin, Mount Pleasant, New Dundee, Orono, Pelham, Princeton, St. George, Sparta, Sundridge, Tamworth, Teeswater, Thamesford, Thamesville, Tiverton, Wheatley, Woodville. Total 41.

A summary of the above shows that Agriculture is now taken in twenty-seven Collegiate Institutes, eighty-five High Schools, and fifty-eight Continuation Schools, a total of 170. During the year the work was introduced in two High Schools and four Continuation Schools and was discontinued in two High Schools and one Continuation School. Both Lower and Middle School courses are taken in one hundred and eighteen schools.

The following abbreviated table shows the development in this phase of instruction since its beginning in 1913 and the number of schools now taking the work.

---

*Introduced Agriculture in September 1939.

Year	Collegiate Institutes	High Schools	Continuation Schools	Total
1913	....	1	1	2
1918	8	13	4	25
1928	14	44	23	81
1933	24	54	33	111
1937	27	83	48	158
1938	27	85	55	167
1939	27	85	58	170

Two hundred and fourteen teachers are engaged in giving instruction in Agriculture. Of this number, one hundred and twenty-one hold the Specialist certificate, eighty-six being graduates of the Ontario Agricultural College.

The following schools are taking work under the scheme indicated in (2) above: Drayton, Elmira, Listowel, Port Perry, Wheatley, and Whitby. Additional time is given to Agriculture and practical phases of the subject are stressed. At Elmira, Port Perry, and Whitby provision is made for Shop Work for boys and Home Economics for girls.

Under (3) above, the following Schools are qualifying for grants under the Vocational Education Act: Beamsville, Kemptville, Renfrew, Ridgetown, Stamford, and Simcoe. In all except Stamford, provision is made for instruction in Shop Work and Home Economics and the new courses in these subjects, with emphasis upon agricultural applications, are being followed. In all centres, home project activities on agricultural topics are stressed and the teachers visit the homes of pupils during the summer months to inspect the projects undertaken.

Summer Courses

The attendance at the Summer Courses in Agriculture at Guelph and Kemptville in 1939 was lower than in 1938. The course for the Specialist certificate was not given. The organization of classes was the same as in 1938, but the number of students in each class division was reduced. The character of the work done and the results obtained at both centres were quite satisfactory.

The following table shows the attendance at the Summer Courses for the past six years:

Attendance at the Ontario Agriculture College, Guelph

Year	Elementary		Intermediate			Inspectors	Farm Mechanics	Total
	I	II	I	II	III			
1934	102	95	38	45	12	1	17	320
1935	188	112	61	46	......	2	....	409
1936	414	223	79	72	......	3	24	815
1937	368	408	86	79	......	3	23	969
1938	209	307	52	101	26	3	21	719
1939	103	180	47	67	......	2	18	417

Attendance at the Agricultural School, Kemptville

Year	Part I Elementary	Part II Elementary	Total
1934	19	28	47
1935	116	40	156
1936	220	110	330
1937	187	202	389
1938	102	185	287
1939	88	91	179

Normal Schools

Except in the University of Ottawa Normal School, instruction in Agriculture is a part of the regular course and the subject is taken by all students. Students who have taken four years of Agriculture in an approved school during their Secondary School course are granted an Interim Elementary Certificate on successfully completing the Normal School course. Others must attend summer school to secure a certificate in Agriculture.

Facilities for instruction in practical phases of gardening and other topics are provided, the instructors are all qualified in Agriculture and a good course is given as far as the time allotment on the Normal School programme will allow.

NORMAN DAVIES,
Inspector of Agricultural Classes.

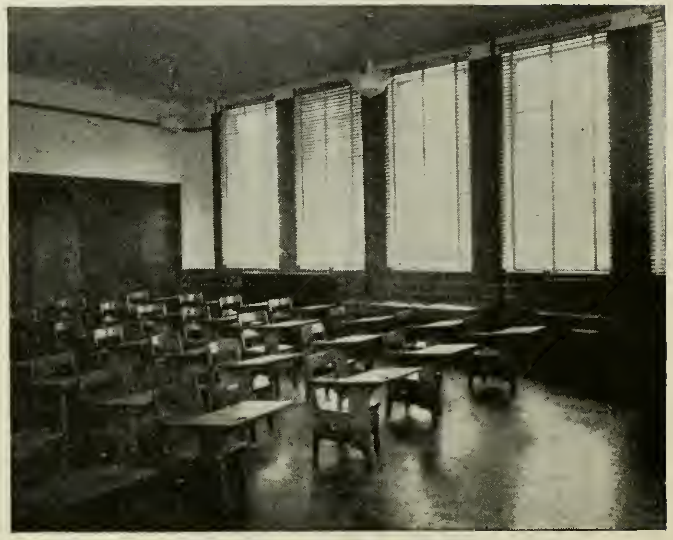
Toronto, August 28th, 1940.

OUTSTANDING EXAMPLE OF MODERN SCHOOL CONSTRUCTION

Rolph Road Public School, Leaside

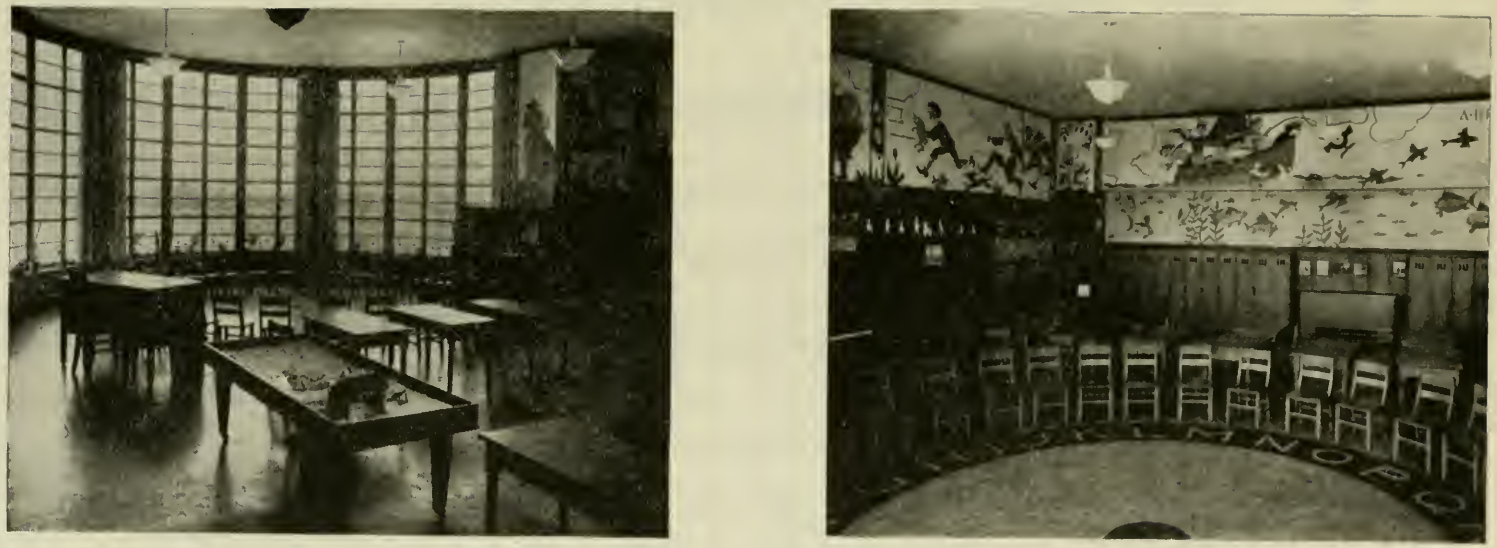
Principal's Room

A quiet, dignified study and conference room.



Standard Classroom

Note the built-in lockers, moveable desks, indirect lighting, and controlled daylight through venetian blinds.



The kindergarten is constructed with many points of appeal to the young child. Note the life-size murals of nursery rhymes, individual lockers identified by animal pictures, colours of the linoleum floor forming borders, patterns, games and alphabet.

APPENDIX G

REPORT OF THE INSPECTOR OF AUXILIARY CLASSES

Statistical Information for the School Year, 1938-39

Opportunity Classes.—For backward and psychopathic children and those who cannot successfully pursue the ordinary grade work, but who can be trained, and whose mental age is not less than the legal school age.

Centre	Number of teachers	Enrolment at Inspection	Boys	Girls	May Enrolment 1937	Percentage cared for in Opportunity Handicraft, and Special Industrial Classes	Grants
Barrie P.S.	1	17	12	5	1,141	1.49	$195.17
Belleville P.S.	1	19	18	1	1,803	1.05	160.00
Belleville S.S.	1	16	12	4	457	3.50	290.81
Brantford P.S.	2	33	18	15	3,761	.87	402.54
Chatham P.S.	1	18	12	6	2,018	.89	190.00
Cobden P.S. (Partial)	1	13	6	7	91	14.28	59.43
Fort Frances P.S.	1	12	9	3	995	1.21	190.00
Fort William P.S.	1	18	8	10	3,271	.55	208.43
Galt P.S.	1	17	13	4	1,755	.97	219.82
Grimsby P.S.	1	18	14	4	304	5.92	187.21
Guelph P.S.	3	50	31	19	2,479	2.02	602.78
Hamilton P.S.	10	188	121	67	20,499	2.37	1,762.29
Hamilton S.S.	5	90	49	41	4,531	3.64	749.43
Hawkesbury S.S.	(See Handicraft Classes)				1,288	3.34	....
Hespeler P.S.	1	18	13	5	446	4.04	213.71
Ingersoll P.S.	1	20	14	6	764	2.62	78.82
Kingston S.S.	1	19	19	......	893	2.13	266.88
Kirkland Lake P.S.	3	54	34	20	2,097	2.58	711.21
Kitchener P.S.	2	34	22	12	4,019	.85	427.50
Kitchener S.S.	(See Handicraft Classes)				1,779	1.01	....
Lindsay P.S.	1	14	11	3	926	1.51	278.32
Listowel P.S. (Partial)	1	25	16	9	339	7.37	65.76
London P.S.	7	110	66	44	8,862	1.24	1,554.00
London S.S.	1	19	14	5	1,481	1.28	277.50
Midland P.S.	(See Handicraft Classes)				786	2.80	....
Niagara Falls P.S.	3	50	30	20	2,485	2.01	620.63
North Bay P.S.	1	16	16	......	1,441	1.11	213.75
Oshawa P.S.	1	22	18	4	3,739	.59	223.55
Ottawa P.S.	7	99	52	47	9,762	1.01	893.91
Ottawa S.S.	2	44	16	28	11,335	.39	391.95
Owen Sound P.S.	2	30	19	11	2,034	1.47	444.53
Pembroke P.S.	2	39	31	8	945	4.13	359.76
Penetanguishene P.S.	1	16	16	......	903	1.77	280.17
Peterborough P.S.	1	15	11	4	2,839	.53	204.92
Picton P.S.	1	19	10	9	462	4.11	173.57
Port Arthur P.S.	(See Handicraft Classes)				2,487	1.61	....
Preston S.S.	1	19	15	4	307	6.19	170.87
Renfrew P.S.	1	17	14	3	393	4.33	166.25
Ridgetown P.S.	1	22	15	7	281	7.83	273.23
St. Agatha S.S.	1	6	4	2	83	7.23	76.28
St. Catharines P.S.	2	34	20	14	3,399	1.00	459.83
St. Thomas P.S.	2	29	15	14	1,761	1.65	432.07
Sarnia P.S.	1	19	10	9	2,428	.78	233.59
Sault Ste. Marie P.S.	1	21	13	8	3,075	.68	189.40
Smith's Falls P.S.	1	16	8	8	960	1.67	222.73
Stratford P.S.	1	12	8	4	2,124	.57	201.16

Centre	Number of teachers	Enrolment at Inspection	Boys	Girls	May Enrolment 1937	Percentage cared for in Opportunity Handicraft, and Special Industrial Classes	Grants
Sudbury P.S.	1	18	13	5	1,889	.95	$ 218.90
Sudbury S.S.	1	26	21	5	1,432	1.82	179.30
Swansea P.S.	1	18	15	3	646	2.79	232.08
Toronto P.S.	51	904	568	336	80,465	2.71	9,076.16
Toronto S.S.	11	208	128	80	11,875	3.39	2,045.33
Wallaceburg P.S.	1	21	15	6	577	3.64	175.07
Waterloo P.S.	1	14	10	4	1,035	1.35	213.75
Welland P.S.	1	13	11	2	1,897	.69	147.23
Windsor P.S.	4	62	39	23	11,892	.52	826.16
Windsor S.S.	(See Handicraft Classes)				7,690	.57	....
Woodstock P.S.	1	15	8	7	1,404	1.07	242.35
East York P.S.	5	83	46	37	5,814	1.43	1,172.57
North York P.S.	2	40	29	11	1,417	2.82	491.43
York Township P.S.	8	111	70	41	11,350	.98	1,623.50
No. 8 Etobicoke P.S.	1	13	9	4	331	3.93	82.90
No. 16A Etobicoke P.S.	1	21	11	10	495	4.24	190.00
No. 10 Scarboro P.S.	1	12	5	7	860	1.39	200.48
No. 15 Scarboro P.S.	1	11	9	2	560	1.96	222.82
No. 6 Stamford P.S.	1	15	6	9	518	2.90	189.63
No. 7 Toronto P.S.	1	18	13	5	504	3.57	230.17
Totals	174	2,990	1,899	1,091	....	....	$33,083.59

Handicraft and Special Industrial Classes.—For children thirteen years of age and over who are eligible for an Opportunity Class.

Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Chatham P.S.	1	18	18	....	$310.63
Fort William P.S.	2	37	18	19	619.53
Guelph P.S.	1	21	21	....	380.00
Hamilton P.S.	16	373	266	107	Paid by Tech. Educ. Branch
Hawkesbury S.S.	2	43	22	21	757.87
Kitchener P.S.	2	36	21	15	630.83
Kitchener S.S.	1	18	18	....	333.39
London P.S.	5	104	80	24	1,733.75
Midland P.S.	1	22	22	....	326.50
North Bay P.S.	4	75	41	34	1,380.71
Ottawa P.S.	10	194	124	70	2,485.71
Ottawa S.S.	6	125	78	47	1,925.64
Port Arthur P.S.	2	40	18	22	698.47
St. Catharines P.S.	2	34	20	14	892.26
Sarnia P.S.	2	48	29	19	658.06
Sault Ste. Marie P.S.	2	46	27	19	656.84
Stratford P.S.	1	15	15	....	380.00
Sudbury S.S.	1	20	20	....	386.24
Toronto P.S.	52	1,169	624	545	Paid by Tech. Educ. Branch
Toronto, Church Street	11	305	305	....	1,676.83
Windsor P.S.	4	123	103	20	1,331.95
Windsor S.S.	2	43	43	....	736.78
Woodstock P.S.	1	18	18	....	403.75
York Township P.S.	4	98	98	....	1,309.71
No. 10 Scarboro P.S.	1	14	14	....	373.11
Totals	136	3,039	2,063	976	$20,388.56

Oral, Lip-Reading, Hard-of-Hearing, and Speech-Correction Classes.

Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Hamilton	1	606	....	....	$166.25
Kitchener	1	164	....	....	213.75
Ottawa	1	13	....	....	633.46
Toronto	12	1,060	....	....	3,926.87
York Township	2	228	....	....	786.14
Totals	17	2,071	....	....	$5,726.47

Sight-Saving Classes.—For children whose sight prevents them from making satisfactory progress, or whose eyes would be impaired by using ordinary textbooks.

Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Hamilton	1	15	9	6	$167.20
London	1	11	8	3	213.75
Ottawa	1	12	3	9	178.30
Toronto	5	65	39	26	853.31
Totals	8	103	59	44	$1,412.56

Open Air Classes.—For delicate, anaemic, or undernourished children. Classes are held in parks, or in classrooms with one side open to the sun and air.

Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Toronto P.S.	11	352	139	213	$1,022.07
Toronto S.S.	2	64	25	39	335.54
Totals	13	416	164	252	$1,357.61

Institutional Classes.—For inmates of children's homes, shelters, orphanages, etc.

Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Tarentorus Twp.	1	21	13	8	$230.34
Toronto	1	23	14	9	39.34
Totals	2	44	27	17	$269.68

Orthopedic and Visiting Teacher Classes.—For disabled children.

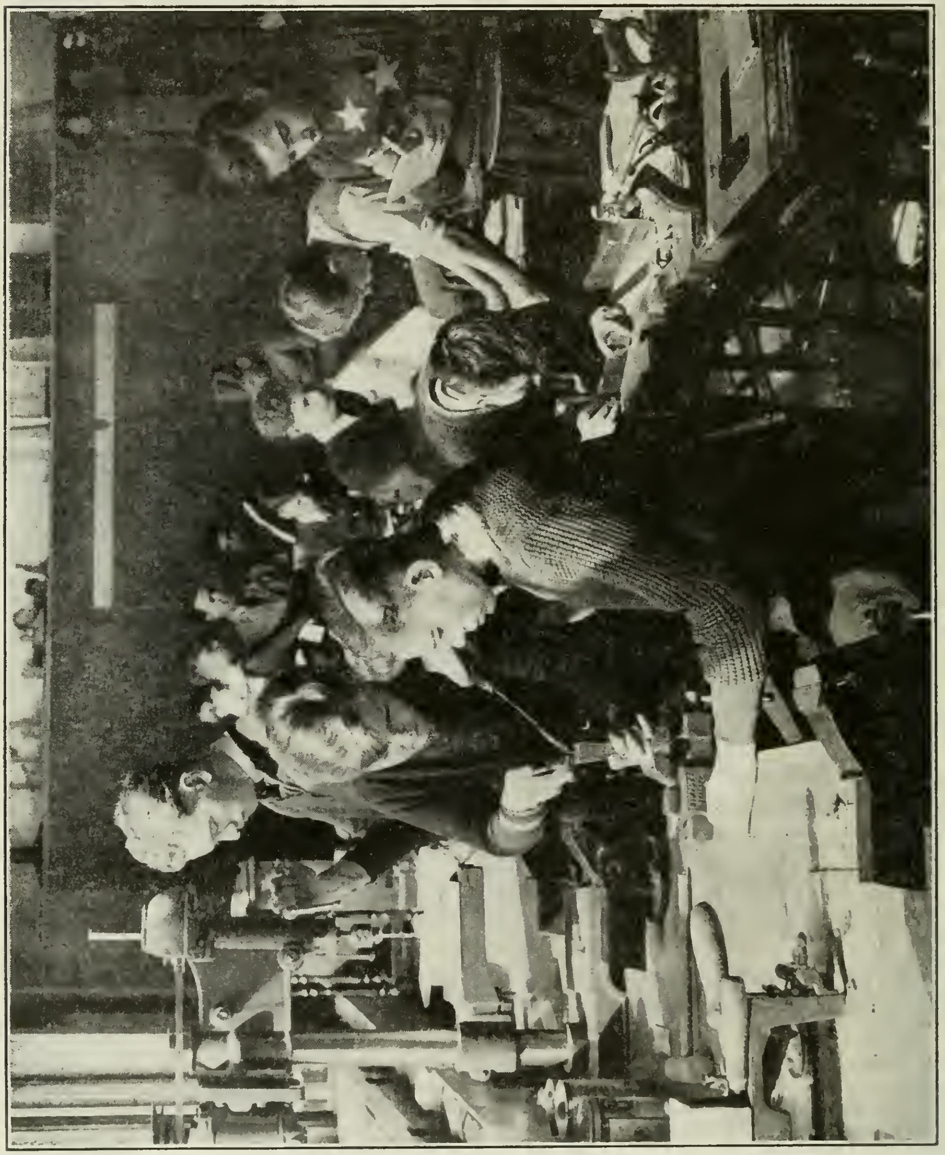
Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Hamilton (Visiting teachers)........	4	41	19	22	$775.39
Kitchener P.S. (Visiting teacher)....	1	11	6	5	475.00
Kitchener S.S. (Visiting teachers)...	2	7	5	2	171.63
Ottawa (Orthopedic)..............	2	33	15	18	943.49
Port Arthur (Orthopedic)..........	1	8	4	4	163.95
St. Thomas (Visiting teachers)......	2	3	2	1	127.18
Toronto P.S. (Visiting teachers).....	15	140	70	70	2,220.92
Toronto S.S. (Visiting teachers).....	2	38	22	16	454.81
Toronto P.S. (Orthopedic).........	5	181	97	84	3,662.25
East York (Visiting teacher)........	1	15	4	11	486.47
Windsor (Visiting teacher).........	1	12	6	6	480.66
York Township (Visiting teachers)..	2	34	17	17	1,235.80
Totals......................	38	523	267	256	$11,197.55

Hospital and Sanatorium Classes.—For children in hospitals, sanatoria, wards, or homes for the incurable.

Centre	Number of teachers	Number of pupils	Boys	Girls	Grants
Brantford........................	1	23	13	10	$243.10
Fort William.....................	1	13	7	6	486.06
Hamilton........................	2	47	25	22	478.71
Kitchener........................	1	6	3	3	257.71
London..........................	2	26	11	15	475.00
Port Arthur......................	1	15	11	4	398.00
Toronto.........................	8	130	84	46	2,102.17
Windsor.........................	1	18	10	8	257.91
Totals......................	17	278	164	114	$4,698.66

Rural and Urban Home Instruction Units.—For sick and crippled children who cannot attend school.

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
Brant and Norfolk................	2	2	1	1	$75.24
Bruce West......................	1	1	....	1	....
Durham (in part) and City of Oshawa	3	3	1	2	114.37
Elgin East and City of St. Thomas...	11	18	11	7	171.00
Frontenac North and Addington (in part).......................	1	1	....	1	57.00
Grey South......................	1	1	....	1	91.20
Halton..........................	3	3	1	2	32.49
Lambton West (No. 1)............	4	4	2	2	114.00
Lanark..........................	1	1	....	1	....
Leeds and Grenville (No. 1)........	1	1	....	1	....
Middlesex East and Elgin..........	2	8	4	4	55.10
Norfolk.........................	4	4	3	1	39.56
Oxford North....................	1	1	....	1	57.00
Peel............................	6	6	5	1	57.00
Perth South and City of Stratford...	2	2	1	1	45.54
Renfrew South...................	1	1	....	1	35.06
Simcoe Centre...................	3	3	3	....	57.00
Simcoe East.....................	3	3	2	1	57.00



Manual Training in a Toronto Public School.

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
Simcoe South, York and Peel	2	2	2		$ 91.20
Simcoe West	1	1		1	29.21
Waterloo (No. 1)	1	1		1	88.63
Waterloo (No. 2)	3	3	1	2	171.00
Welland South	2	2	1	1	14.72
Wentworth	1	1		1	62.06
York (No. 1)	3	3	3		
York (No. 2)	3	3		3	114.00
York (No. 4)	4	4	2	2	
York (No. 5)	5	5	3	2	84.36
York (No. 6)	5	10	4	6	175.85
R.C. District Division V	1	1	1		
R.C. District Division XI	1	1		1	57.00
R.C. District Division XII	1	1	1		24.23
R.C. District Division XVI	1	2	1	1	28.50
Totals	84	103	53	50	$1,999.32

Rural and Urban Sight-Saving Units.—For children with defective eyesight.

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
Brant and Norfolk	3	3	2	1	
Bruce West	4	4	1	3	
Carleton	3	4	2	2	$1.00
Dufferin	1	1		1	
Dundas and Grenville (in part)	3	3	1	2	
Durham East and City of Oshawa	2	2		2	3.33
Elgin East and City of St. Thomas	3	3	3		
Essex (No. 2)	6	20	11	9	
Frontenac North and Addington (in part)	6	6	5	1	
Grey North and Bruce West	4	4	3	1	
Hastings North	1	1	1		
Huron East	1	1	1		
Kent (No. 2)	1	1	1		
Lambton West (No. 1)	7	7	4	3	3.33
Lanark	1	1		1	
Leeds and Grenville (No. 2)	3	3	2	1	
Leeds and Grenville (No. 3)	4	4	1	3	
Lincoln (in part)	2	2	1	1	9.50
Middlesex East and Elgin (in part)	6	6	3	3	5.41
Middlesex West	1	1	1		9.50
Norfolk (in part)	1	1	1		
Oxford North and City of Woodstock	3	3	1	2	10.35
Oxford South and Norfolk (in part)	1	1		1	
Peel	2	3	1	2	
Peterborough East	1	1		1	6.08
Prescott and Russell (No. 1)	1	1	1		
Prince Edward	2	2	1	1	
Renfrew North	6	7	5	2	15.91
Simcoe East	6	7	5	2	
Simcoe South	1	1		1	3.09
Waterloo (No. 1)	11	11	7	4	9.52
Waterloo (No. 2)	1	2		2	19.00
Welland South	5	9	6	3	1.98
Wellington North	2	2	1	1	
Wellington South	1	1		1	
York (No. 3)	4	10	4	6	4.27
York (No. 4)	3	3	3		4.27

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
York (No. 5)	8	12	7	5	....
York (No. 6)	4	4	3	1	$4.75
District Division I	5	5	3	2	....
District Division III	1	1	....	1	.71
District Division IV	1	1	....	1	....
District Division V	2	2	1	1	9.50
District Division VI	2	2	2	....	9.02
District Division IX	3	5	2	3	....
District Division X	2	2	....	2	....
District Division XIII	1	1	....	1	....
District Division XV	2	2	1	1	....
District Division XVI	1	1	1	....	....
R.C. District Division II	1	1	1	....	....
R.C. District Division V	1	1	1	....	....
R.C. District Division VI	5	5	1	4	....
R.C. District Division X	3	3	2	1	9.50
R.C. District Division XI	1	1	1	....	9.50
R.C. District Division XIII	4	4	1	3	34.67
R.C. District Division XIV	5	8	8	....	62.70
R.C. District Division XV	4	4	1	3	....
R.C. District Division XVI	2	2	1	1	....
Totals	71	209	116	93	$246.91

Orthopedic Units.—For children who are physically unable to walk to and from school and are in need of transportation.

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
Leeds and Grenville (No. 2)	1	1	....	1	$11.40
York (No. 6)	1	1	....	1	8.55
Totals	2	2	....	2	$19.95

Rural Opportunity Units.—For backward and psychopathic children and those who cannot successfully pursue the ordinary grade work, but who can be trained, and whose mental age is not less than the legal school age.

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
Bruce East, Grey (in part), Huron (in part)	23	31	21	10	$11.59
Bruce West	27	78	44	34	159.61
Carleton	1	2	....	2	....
Dundas and Grenville (in part)	13	65	46	19	39.98
Elgin East	24	91	67	24	57.84
Frontenac North and Addington (in part)	9	41	29	12	13.69
Glengarry (in part) and Prescott (in part)	4	19	12	7	23.74
Grey and Bruce	12	37	30	7	78.09
Halton	2	2	2	....	14.15
Hastings North	1	4	3	1	16.47
Huron East	1	2	2	....	....
Huron West	24	70	48	22	35.27
Kent (No. 1)	1	5	2	3	1.81
Kent (No. 2) and Elgin West	18	41	24	17	1.62

Inspectorate	Number of teachers	Number of pupils	Boys	Girls	Grants
Lambton West (No. 1)............	23	76	52	24	$ 72.76
Lanark........................	5	26	20	6	6.38
Leeds and Grenville (No. 3) and Lanark (in part)................	23	68	44	24	40.69
Lincoln (in part).................	40	215	153	62	25.84
Middlesex East and Elgin..........	9	26	17	9	139.74
Middlesex West...................	21	29	24	5	86.44
Northumberland and Durham (No. 1)	6	15	12	3	....
Northumberland and Durham (No. 2)	1	2	1	1	4.75
Ontario North and York (in part)...	1	2	2	....	....
Oxford North.....................	8	20	11	9	7.09
Oxford South.....................	1	1	1	....	....
Peel (in part)....................	1	2	....	2	....
Perth North and Wellington (in part).	26	76	49	27	14.23
Prescott and Russell (No. 1) and Carleton.....................	18	32	25	7	....
Prince Edward....................	26	81	61	20	179.83
Renfrew North....................	19	66	49	17	127.77
Renfrew South....................	2	3	2	1	....
Simcoe Centre....................	8	16	12	4	41.15
Simcoe East and Muskoka (in part).	6	22	17	5	....
Simcoe South, York (in part) and Peel (in part).................	7	18	16	2	21.79
Waterloo (No. 1)..................	10	27	18	9	71.40
Welland (in part).................	3	12	9	3	....
Wellington South.................	24	59	35	24	23.65
York (No. 2)......................	2	13	9	4	....
District Division V................	24	76	48	28	278.95
District Division VI...............	22	94	60	34	187.66
District Division VIII.............	17	63	47	16	45.59
District Division X (Part I)........	1	1	1	....	2.86
District Division XIII.............	23	70	35	35	51.82
District Division XVI.............	32	116	76	40	445.40
R.C. District Division VI..........	2	10	8	2	27.98
R.C. District Division X...........	16	69	51	18	23.06
R.C. District Division XII.........	14	62	40	22	176.01
R.C. District Division XV.........	33	86	54	32	5.88
R.C. District Division XVI........	1	5	3	2	....
Totals......................	635	2,047	1,392	655	$2,562.58

Ten Years of Progress

Dr. Harry E. Amoss, Inspector of Auxiliary Classes for the ten-year period previous to April 1st, 1939, was on that date appointed Director of Professional Training. During his stewardship the work of the Auxiliary Classes Branch was more than doubled through the extension of the urban classes, and the pioneer development of Home Instruction, Sight-Saving, Orthopedic and Opportunity Units to serve areas where there is not a sufficient number of pupils to form a class.

Opportunity, Handicraft, Sight-Saving, Orthopedic, Oral, Hard-of-Hearing, Hospital, Speech Correction, and Home Instruction Classes have increased from a total of 207 in 1929 to 407 in 1939. Since 1934, when rural surveys were first begun, Auxiliary Units have been established to provide special educational facilities for a three-year average of 2,400 pupils. Approximately half of the rural inspectorates have been surveyed to locate atypical pupils.

The work is distributed so that half of the school year is devoted to rural and urban surveys and half to inspections. To relieve the pressure due to the extension of surveys and inspections, Dr. Amoss continues to have supervision of the Ontario School for the Deaf at Belleville, and the Ontario School for the Blind at Brantford.

Urban Organization

In addition to the classes mentioned above, the following new Auxiliary Classes were opened during the latter half of 1939:

Opportunity Classes.—Goderich, 1; Hamilton, 1; *Mattawa, 1; Orillia, 1; Preston, 1; St. Thomas, 1; Sudbury, 1; *Port McNicol, 1; Toronto Separate, 1; *Victoria Harbour, 1; York Township, 1.
*Partial Classes.

Handicraft Classes.—Brantford, 1; Kingston, 1; Kitchener, 1; Ottawa, 1; Timmins, 1.

Speech Correction and Lip-Reading.—Toronto, 1.

During the year 1939, surveys were conducted in Dundas, Galt, Goderich, Kingston, Leaside, Long Branch, and Orillia for the purposes of Auxiliary Education.

Admission to the various types of classes is made on the report of a teacher, inspector, or medical doctor whose qualifications and experience are approved by the officials of the Auxiliary Classes Branch. Teachers who have attended the Auxiliary Course are being employed in increasing numbers in the regular grade classes of the smaller urban schools in order that their services may be available to the public or separate school Inspector and Principal for the examination of atypical children.

In Toronto and Ottawa, these examinations are administered by school board officials who are trained psychologists. In the other cities and towns this work is done by the teachers of special classes.

Pupils requiring special educational facilities most frequently need remedial instruction in reading and arithmetic. Their difficulties must be diagnosed before effective methods of instruction can be evolved. The Opportunity Classes are being used to an increasing extent to re-adjust pupils who have been failing in these two subjects. It is becoming quite common to find on inspection that from two to six pupils have been re-adjusted in reading and arithmetic, and have been returned to regular grade work at the end of the school term.

While Opportunity Class teachers have demonstrated their ability to do diagnostic and remedial work in reading, it is important to note that Dr. Florence S. Dunlop, Psychologist to the Ottawa Public Schools, was engaged during the year to give a course of lectures to teachers of Grades I and II on preventive, diagnostic, and remedial work in reading. The lectures were followed by a testing programme including tests of intelligence, reading readiness, and reading achievement.

Rural Organization

Complete and partial surveys of the following rural inspectorates were carried out by Miss DeLaporte and myself in conjunction with the Inspectors concerned:

Inspectorate	Inspector	Number of pupils
Dufferin	H. A. Halbert	42
*Essex (No. 2)	W. L. Bowden	73
Grey South	G. E. Pentland	62
Halton	J. A. Partridge	18
Hastings	J. R. Pickering	3
*Huron West	E. C. Beacom	132
Middlesex West	Gordon Young	55
*Oxford South	J. W. Hagan	58
Peterborough West	R. F. Downey	54
Prescott and Russell (No. 1)	G. R. Smith	39
Renfrew North	Norman Campbell	92
Simcoe Centre	W. R. McVittie	17
*Welland and Lincoln (in part)	W. A. Marshall	153
Welland South	N. R. Wightman	26
Welland North	Henry Bowers	28
York (No. 6)	Robert Gillies	18
District Division VII (1)	O. M. MacKillop	39
District Division XIII	J. R. Pickering	21
District Division XIV	J. L. Moore	48
R.C. District Division VI	T. S. Melady	56
R.C. District Division XII	L. J. Langan	8

*Complete.

Arrangements have been made to complete the partial surveys indicated above. We are constantly receiving requests for re-surveys from those Inspectors who have had this service in former years because the pupils included in the screenings of 1934, 1935, and 1936 have, for various reasons, left the elementary school panel, and the need has again arisen within new groups who have developed difficulties in reading and arithmetic. Reports from local Inspectors show that nearly 50 per cent. of the pupils in Rural Opportunity Units are re-adjusted to grade work; that the establishment of Sight-Saving Units enables pupils suffering from defective eyesight to maintain normal grade progress; that the provision of a Home Instruction teacher for sick and crippled children has equally beneficial results; and that through the establishment of Speech Correction Units the attention of rural teachers has been directed to the importance of this phase of education, with the result that care is being devoted to the building up of proper speech habits among regular grade pupils as well as among those affected by speech defects.

The Auxiliary Classes Branch wishes to express its appreciation of the assistance given by Inspectors Gordon Young, N. R. Wightman, and J. R. Pickering. These Inspectors are conducting surveys in their own inspectorates and are writing the necessary advisements in connection with the cases found.

SUMMARY: *Urban and Rural Organization.*

	Number of children	Total
1. Physically Handicapped:		
(i) Urban Organization	3,391	
(ii) Rural Organization	314	
		3,705
2. Mentally Handicapped:		
(i) Urban Organization	6,073	
(ii) Rural Organization	2,047	
		8,120
		11,825

Adult Classes in Sanatoria

This category was established in September 1939 to handle classes already existing in the various Sanatoria.

T.B. Hospitals which have come under the new regulations are as follows: Byron Sanatorium, London; Queen Mary Hospital, Weston; Brant Sanatorium, Brantford; Mountain Sanatorium, Hamilton; Muskoka Hospital, Gravenhurst; Freeport Sanatorium, Kitchener.

The method of instruction is essentially individual and is carried on at the patient's bedside except for classes in typewriting. The patients are pursuing courses from the primary classes in the elementary school to university courses, and within this broad field there are: (1) New Canadians learning to read and write English; (2) Mature men and women completing elementary school courses; (3) Students in all grades of Secondary school work; (4) Commercial students; (5) Patients trying for a second class commercial license in radiotelegraphy; (6) Students continuing university work.

These classes were first formed by the patients, and it was found that the provision of suitable school work had a very beneficial effect on the patient's progress. Teachers were provided to teach courses in which the patients showed an interest. From this has grown the desire to provide educational guidance to patients in order that their studies may be chosen to provide for future rehabilitation after discharge.

The following excerpts from inspection reports give a cross section of the subjects offered: (1) A young lady holding a private pilot's license is studying Trigonometry in order to be able to qualify for a commercial pilot's license; (2) Forty-five patients are preparing for a Second Class Government License as Radiotelegraphists at the Mountain Sanatorium; (3) A young man has learned to write shorthand at the rate of one hundred words a minute; (4) New Canadians taught to write and speak English; (5) A married woman with a family of five has, in ten years, completed the French and German courses of the Secondary School, and is now in her fourth year in University work in the same subjects; (6) A young man, a graduate of the University of Toronto, is now studying accountancy.

Habilitation of Cripples

An experiment approved in 1939 has provided additional vocational education to two cripples.

Case 1. A girl suffering from arthritis or kindred ailments has been given instruction in leather work and typing. The Barrie Kiwanis Club has supplied a typewriter. Good progress has been made, although at the beginning she had the use of only three fingers of the right hand and two of the left.

Case 2. A boy who walked on crutches had completed a Correspondence School Course to the High School Entrance Examination. A trainer in shoe-repairing was engaged to instruct this boy for twelve weeks in hand cobbling and harness stitching. At the end of six weeks the boy was operating the patching machine (a heavy sewing machine) although he could not do this at the beginning. On the completion of the course he returned to his farm home. The cost of his board and lodging were paid, as well as the cost of instruction.

The Auxiliary Classes Branch has, at the present time, knowledge of about one dozen similar cases who may be given an opportunity to learn some economic skill which can be put to use in the area around their own homes when they complete all available elementary and secondary school courses.

The Use of Hearing-Aids with the Partially Deaf

> "It is very essential that a hard-of-hearing child should use and depend upon his hearing as much as possible and, in the case of progressive deafness, retain it as long as he can. In order to do this, the child should be, during instruction periods, within hearing of the instructor's voice, and, if necessary, parts of the lesson should be spoken into his ear. Continual use of the ear strengthens perception of sound and improves the child's enunciation as well as his power to lip-read." (Amoss and Delaporte: *Training Handicapped Children*, pp. 246, 247).

The quotation given above is an expression of the basic idea which motivated the Scottish Rite organization in supplying a class hearing-aid for the use of the hard-of-hearing pupils in the Rosedale Public School under the tuition of Miss Sweetlove. This equipment consists of a portable microphone wired to sixteen earphones which may be plugged in at the pupils' desks or in other parts of the classroom. These hearing-aids have been in use since September 1938 and the following benefits have been shown: (1) pupils can hear and correct each other's speech; (2) there is an improvement in tone; (3) slurred and muffled sounds are spoken more clearly. The pupils were given intelligence, personality, performance, language, reading, and speech tests along with a complete physical examination at the beginning of the experiment, which will be carried on for several years before a complete summation is available.

The only previous experiment of this kind on record in Ontario Schools was carried out in Victory School, Guelph, through the efforts of Miss Anna Harvey, teacher of the Opportunity Class. A microphone and one earphone were supplied for one boy who sat in a regular classroom and, with these aids, successfully completed his elementary school course. When he graduated, his place was taken by a second boy who is now in Grade VII. The set is moved from room to room as the pupil is promoted.

Training of Teachers

In 1939 three courses were given at the summer school session held at Jarvis Street School for Boys, Toronto, from July 3rd to August 4th. Course I was given for teachers of Opportunity and Handicraft Classes; Course II for teachers of speech; and Course III for those teachers who were not desirous of teaching in the regular Auxiliary Classes but who wished to study intelligence testing and special methods for individual cases. One group of teachers in Course III were given the Refresher Course. Eleven teachers of the 176 registered were from outside the Province.

The meeting of the International Council at Detroit in February provided an opportunity to visit special schools and receive instruction from authorities gathered from all parts of North America.

The Auxiliary Class magazine *The Special Class Teacher* serves the teachers of this group and an increasing number of grade teachers with timely articles of a practical nature written by successful teachers.

Sight-Saving Books

Arrangements for the production of a 'sight-saving' edition of *A Garden of Stories* are almost complete. Plans at present include the production of one sight-saving reader each year in the following order: Grade IV, VI, VII, III, V. The provision of sight-saving readers results in a saving in the cost; insures that all pupils requiring magnatyped material will get it promptly; and reduces instructional difficulties caused by having a pupil use a book which is not the same as that used by other pupils in the class. A careful estimate based on the best available data indicates that approximately fifty books are required each year for each of the Grades from II-VIII.

The existing editions of the *Ontario Speller* and *Life and Literature Book II* have so acceptably filled a long-felt need within their field that there is a constant stream of letters requesting similar editions for the other grades.

Miss L. Helen DeLaporte, B.A., B.Paed., Assistant Inspector of Auxiliary Classes, has prepared an occupational workbook for children of pre-school age. The work is developed scientifically and shows the results of a rich and varied experience in the study of children of all abilities. It is designed for use with children and pupils at the pre-reading stage, and may be used as a supplementary book in school, or as an occupational book in the home, as the purpose and place of each exercise is given in a foreword to mothers and teachers.

C. E. STOTHERS,
Inspector of Auxiliary Classes.

Toronto, March 9th, 1940.

APPENDIX H

REPORT OF THE DIRECTOR OF SCHOOL ATTENDANCE

Compulsory school attendance has been in force in Ontario for considerably over half a century, with the result that, for some time, a high standard of efficiency has been maintained, with all the advantages accruing to the pupils, the schools, and the communities at large. As the hinterland in Northern Ontario is rolled back, and the old boundaries are pushed into bushland and newly-discovered mining areas, pioneer schools are built. At first crude, these schools are replaced by modern buildings, as population increases, so that in places where, a few years ago, were only forests and rock, now are to be found some of the finest schools in the Province.

In other parts, however, where for various reasons the population has decreased, schools have been closed and the few children remaining in the section have been transported, much to their advantage, to nearby schools. In 1937-38 there were 6,452 Public and 834 Separate Schools—a total of 7,286. In 1938-39, although many of the smaller ones were closed, there was a total increase of 15, the Public Schools then numbering 6,455 and the Separate 846, a total of 7,301.

Enrolment
Table No. 1

	1936-37	1937-38	1938-39	Increase or Decrease over 1937-38
Public Schools	455,365	454,509	453,182	1,327 decr.
Separate Schools	100,348	102,505	104,466	1,961 incr.
High Schools and Collegiate Institutes	67,088	68,700	72,247	3,547 incr.
Continuation Schools	8,996	9,251	9,866	615 incr.
Vocational and Special Industrial Schools—				
Day Classes	36,256	37,748	35,779	1,969 decr.
Night Classes	25,930	32,083	36,481	4,398 incr.
	693,983	704,796	712,021	7,225 incr.

From the above table it will be seen that the enrolment in the Public Schools decreased 1,327 and in the Day classes of the Vocational and Special Industrial Schools 1,969. The enrolment in the High Schools, Collegiate Institutes and Continuation Schools, however, showed an increase of 4,162. The decrease of 1,969 in the Day classes of the Vocational Schools would, apparently, indicate

Table No. 2
(Showing percentage attendance since 1935-36)

Class of School	1935-36	1936-37	1937-38	1938-39	Increase or Decrease in Percentage over 1937-38
City Schools	91.87	92.49	92.96	91.5	1.46 decr.
Town Schools	91.62	92.67	93.08	92.2	.88 decr.
Village Schools	91.39	91.83	91.95	91.0	.95 decr.
County Rural Schools	88.17	87.65	88.77	89.6	.83 incr.
District Rural Schools	86.29	87.22	86.85	87.4	.55 incr.
All Urban Schools	91.64	92.49	92.92	91.6	1.32 decr.
All Rural Schools	87.85	89.34	89.13	88.0	1.13 decr.
All Elementary Schools	90.27	90.91	91.51	90.3	1.48 decr.

that many students have gone into business life, and the increase of 4,398 in the Night Classes shows an appreciation of the opportunities afforded for further education.

School Leaders in Attendance

In 1936-37	Per cent.	In 1937-38	Per cent.	In 1938-39	Per cent.
City of Galt.........	96.10	City of Galt........	95.69	City of Galt.........	94.7
Town of Palmerston...	96.22	Town of Elmira.....	97.41	Town of Palmerston..	96.1
Village of Port Perry..	96.98	Village of Mildmay..	96.28	Village of Casselman.	97.6
County of Waterloo..	93.54	County of Waterloo.	93.46	County of Oxford....	94.0
District of Algoma....	89.04	District of Kenora...	89.36	District of Kenora...	89.4

The City of Galt has a most enviable record in having led the urban centres in attendance for the last five years.

Public School Attendance

Table No. 3

	1937-38		Days Lost per Pupil	1938-39		Days Lost per pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Rural..........	159,092	88.96	20.09	158,092	87.8	21.9
Urban..........	245,790	92.74	13.82	238,982	91.4	16.5

Separate School Attendance

Table No. 4

	1937-38		Days Lost per Pupil	1938-39		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Rural..........	20,690	90.43	18.31	20,367	90.0	17.6
Urban..........	73,670	93.52	10.90	73,936	92.5	14.0

Totals—Table No. 5

(Tables 3 and 4 combined)

	1937-38		Days Lost per Pupil	1938-39		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Rural...........	179,782	89.13	19.89	178,459	88.0	21.4
Urban..........	319,460	92.92	13.16	312,918	91.6	15.9

All Elementary Schools

Table No. 6

	1937-38		Days Lost per Pupil	1938-39		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Public..........	404,882	91.22	16.39	397,074	89.9	18.7
Separate........	94,360	92.80	12.60	94,303	92.0	14.8

The percentage attendance for all elementary schools for 1938-39 was 90.3 and the average loss per pupil was 18.0 days.

Losses in the Elementary Schools
Table No. 7

Days lost through	1938-39	Percentage Loss			
		1935-36	1936-37	1937-38	1938-39
Illness	6,687,391	62.96	65.41	62.39	66.99
Home Help	777,777	7.67	9.11	9.91	7.79
Parental Neglect	604,692	5.10	5.92	6.95	6.06
Physical Obstacles	455,350	4.39	2.62	3.81	4.56
Truancy	24,106	.24	.28	.32	.24
Privation	103,345	.95	1.04	1.04	1.04
Irregular Closing	666,160	6.96	4.56	5.85	6.67
Other Reasons	664,258	11.73	11.05	9.73	6.65
Total days lost		10,248,309	9,083,567	8,734,593	9,983,079
The above losses are classified—					
Lawful		7,790,825	6,845,284	6,329,014	7,680,348
Unlawful		2,457,484	2,238,283	2,405,579	2,302,731
Percentage attendance		90.27	90.91	91.51	90.3

From the above table it will be observed that the percentage attendance, 90.3, is lower than for either of the two years immediately preceding. The decrease is easily explained when an analysis of the losses is made. Three factors were accountable, two of which are uncontrollable and the third, partly so. Epidemics of Scarlet Fever, Whooping Cough, Mumps, and other similar diseases which were prevalent in various rural sections, increased the losses due to illness. Exceptional storms occurred at different times in extended areas, blocking and making the roads impassable, thus increasing the losses due to Physical Obstacles. The higher loss for Irregular Closing may be accounted for in two ways—one, because the schools were closed owing to adverse weather conditions, and the other, because the Boards, in many cases, closed the schools because of an epidemic without any authority from the local Medical Officer of Health. In this way the losses are charged to the school whereas, if the school had been closed by the M.O.H.,—the closing would have been lawful and there would have been no statistical losses.

It is gratifying that the losses due to Home Help and Parental Neglect have diminished owing, no doubt, to closer check-ups by the teachers with the parents and the Attendance Officers. The loss due to Truancy, which is less than a quarter of one percent., is a tribute to the profession and an indication that the children are interested in their work. Gratifying, too, is it to find that the percentage of unlawful absences is gradually on the down grade.

Secondary Schools
Table No. 8

Schools	Enrolment				Percentage Attendance	
	1937-38		1938-39		1937-38	1938-39
High Schools and Collegiates		68,700		72,247	95.72	94.2
Continuation Schools		9,251		9,866	93.42	91.9
Vocational and Special Industrial Schools:						
Day	37,748		35,799		*93.34	*92.8
Night	32,083		36,481			
		69,831		72,260		
		147,782		154,373		

*Day Schools only.

At the present time there are 51 Collegiate Institutes, 156 High Schools, 205 Continuation Schools, 59 Vocational Schools and 5 Special Industrial Schools, a total of 496. The number of teachers in the Secondary System is 4,851, and in the Elementary system 17,956, making a grand total of 22,807.

The increase in enrolment in the Secondary Schools for 1938-39 was 6,591 and the percentage attendance was 93.6.

While only the regular Elementary and Secondary schools are included in the above report, other opportunities are provided by the Department of Education for pupils who are situated beyond reach of such schools. Travelling schools—seven in number, four on the C.N.R., two on the C.P.R., and one on the T. & N.O.R.—provide school facilities for several hundred children in Northern Ontario. These cars travel about 25,000 miles a year and each has about six places at which stops are made. The Correspondence Courses which have an enrolment of over 2,000 pupils, aid those who, through distance or physical infirmities, cannot attend school, or who, through illness, are in sanitaria or hospitals.

Through the elementary and secondary schools, through professional training and summer schools, through schools for those who unfortunately are deaf or blind, through Agricultural Schools and the Agricultural College, through Industrial Schools, through private and business schools, as well as through the Universities, provision is being made for preparing the present generation of young people, in order that they may adequately perform the duties that will, in the usual course of events devolve upon them.

R. D. Keefe,
Director of School Attendance.

Toronto, May 31st, 1940.

APPENDIX I

REPORT OF THE SUPERINTENDENT OF THE ONTARIO SCHOOL FOR THE DEAF

I have the honour to submit the Annual Report of the Ontario School for the Deaf for the year ending March 31st, 1940.

Attendance

Enrolment by months:—

	Boys	Girls	Total
April, 1939	151	152	303
May	151	152	303
June	151	152	303
September	141	146	287
October	143	152	295
November	142	153	295
December	142	153	295
January, 1940	143	150	293
February	142	150	292
March	142	150	292

Average attendance for the year—296.

Enrolment by counties and districts:—

Algoma	11 pupils	Muskoka	1 pupil
Brant	6 "	Nipissing	4 pupils
Bruce	4 "	Norfolk	2 "
Carleton	16 "	Northumberland	1 pupil
Cochrane	4 "	Ontario	5 pupils
Durham	2 "	Oxford	7 "
Dundas	3 "	Peel	1 pupil
Elgin	1 pupil	Perth	5 pupils
Essex	25 pupils	Peterborough	4 "
Frontenac	8 "	Prescott	1 pupil
Glengarry	1 pupil	Parry Sound	8 pupils
Grey	3 pupils	Rainy River	2 "
Haldimand	2 "	Renfrew	9 "
Haliburton	1 pupil	Russell	1 pupil
Halton	2 pupils	Simcoe	8 pupils
Hastings	7 "	Stormont	2 "
Huron	3 "	Sudbury	12 "
Kenora	2 "	Thunder Bay	9 "
Kent	6 "	Timiskaming	18 "
Lambton	1 pupil	Victoria	2 "
Lanark	7 pupils	Waterloo	13 "
Leeds	7 "	Welland	9 "
Lennox	1 pupil	Wellington	5 "
Lincoln	1 "	Wentworth	13 "
Middlesex	9 pupils	York	58 "

Enrolment by cities:—(These pupils are also included in the enrolment by counties and districts).

Brantford	6 pupils	Ottawa	10 pupils
Fort William	5 "	St. Catharines	1 pupil
Hamilton	13 "	Port Arthur	3 pupils
Kingston	6 "	Sault Ste. Marie	7 "
Kitchener	7 "	Toronto	44 "
London	8 "	Windsor	15 "

Thirty-eight pupils left school during the year, their ages and the reasons for leaving being given below:—

5 years—1 pupil —too immature
6 " —1 " —attending public school
8 " —1 " —low mentality
9 " —1 " —school for deaf, Montreal
11 " —2 pupils—attending public school
12 " —1 pupil —low mentality
13 " —1 " —attending secondary school
13 " —1 " —low mentality
14 years— 1 pupil —working at home
15 " — 3 pupils—working at home
16 " — 3 " —home or employment
17 " —11 " —home or employment
18 " — 6 " —home or employment
19 " — 4 " —home or employment
20 " — 1 pupil —home or employment

Twenty-six new pupils were admitted and their ages on admission were:—

5 years	7 pupils	11 years	3 pupils
6 "	3 "	12 "	1 pupil
8 "	6 "	13 "	1 "
9 "	2 "	15 "	1 "
10 "	1 pupil	19 "	1 "

It is unfortunate that more of our best pupils do not remain in school until they have completed one year in the high school class and one full year in vocational work. In June twelve pupils received high school entrance certificates, but only three returned to school in September. These girls and boys are sixteen or seventeen years of age and one or two more years in school would enable them to improve their language and give them a more complete training in one of the trades.

Most of the pupils enter school when they are young and capable of mastering the difficulties presented by language, speech and lip-reading. In most cases the older pupils who have been admitted are hard-of-hearing boys and girls who have found it difficult to continue their education in public and separate schools.

AGE-GRADE TABLE—September 15, 1939

	4 yrs.– 5 yrs.	5 yrs.– 6 yrs.	6 yrs.– 7 yrs.	7 yrs.– 8 yrs.	8 yrs.– 9 yrs.	9 yrs.–10 yrs.	10 yrs.–11 yrs.	11 yrs.–12 yrs.	12 yrs.–13 yrs.	13 yrs.–14 yrs.	14 yrs.–15 yrs.	15 yrs.–16 yrs.	16 yrs.–17 yrs.	17 yrs.–18 yrs.	18 yrs.–19 yrs.	19 yrs.–20 yrs.	20 yrs.–21 yrs.	21 yrs.–22 yrs.	Medial Age in years & months	Totals	TOTAL
Junior School																			yrs mos		
3 rooms, Prep'tory I	...	6	4	4	8	2	2	2	...	...	...	...	...	...	...	...	...	...	8–0	28	
3 rooms, Prep'tory II	...	1	5	5	14	6	...	...	...	...	...	...	...	...	...	...	...	...	8–4	31	
3 rooms, Prep'tory III	...	...	...	3	7	10	12	6	1	...	...	...	...	...	...	...	...	...	9–11	39	
2 rooms, Grade I	...	...	...	...	1	6	4	13	1	...	...	...	...	...	...	...	...	...	11–2	25	123
Intermediate School																					
1 Academic, Grade II	...	...	...	...	...	...	2	6	4	2	...	...	...	...	...	...	...	...	11–10	14	
2 Academic, Grade III	...	...	...	...	...	...	...	1	5	3	1	...	...	...	...	...	...	...	12–10	10	
3 Academic, Grade IV	...	...	...	...	...	1	...	5	9	...	...	...	...	...	...	...	...	...	12–2	15	
4 Academic, Grade V	...	...	...	...	...	...	...	1	4	6	3	...	...	...	...	...	...	...	13–4	14	
1 Vocational	...	...	...	...	...	...	...	1	5	...	...	...	...	...	...	...	...	...	12–5	6	
2 Vocational	...	...	...	...	...	...	...	...	5	1	1	1	...	...	...	...	...	...	12–10	8	
3 Vocational	...	...	...	...	...	...	...	...	3	6	1	...	...	...	...	...	...	...	13–4	10	
4 Vocational	...	...	...	...	...	...	...	...	3	3	2	...	...	...	...	...	...	...	13–4	8	85
Senior School																					
1 Academic, Grade VI	...	...	...	...	...	...	...	...	2	4	3	3	2	...	...	...	...	...	13–4	14	
2 Academic, Grade VII	...	...	...	...	...	...	...	...	...	...	1	5	6	1	1	...	...	...	16–2	14	
3 Academic, Grade VIII	...	...	...	...	...	...	...	...	...	1	...	...	5	3	...	1	...	...	16–10	10	
4 Academic, Grade IX	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	18–6	3	
1 Vocational	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	...	1	...	15–6	5	
2 Vocational	...	...	...	...	...	...	...	...	1	...	1	6	1	...	...	...	...	...	15–5	9	
3 Vocational	...	...	...	...	...	...	...	...	...	...	4	3	3	1	...	2	...	...	15–10	13	
4 Vocational	...	...	...	...	...	...	...	...	...	...	...	1	4	2	1	2	...	1	17–3	11	
Full Time Vocational	...	...	...	...	...	...	...	...	...	...	...	...	1	4	4	1	...	...	18	10	89
Totals	...	7	9	12	30	25	20	35	43	26	19	20	23	12	7	7	1	1	......	....	297

ATTENDANCE-GRADE TABLE, 1939

	0 yrs.– 1 yr.	1 yr.– 2 yrs.	2 yrs.– 3 yrs.	3 yrs.– 4 yrs.	4 yrs.– 5 yrs.	5 yrs.– 6 yrs.	6 yrs.– 7 yrs	7 yrs.– 8 yrs.	8 yrs.– 9 yrs.	9 yrs.–10 yrs.	10 yrs.–11 yrs	11 yrs.–12 yrs	12 yrs.–13 yrs.	Medial Attendance	Totals	TOTALS
Junior School														yrs mos		
3 rooms, Preparatory I....	19	6	3	....	....	....	....	....	....	....	....	....	....	8	28	
3 rooms, Preparatory II...	....	19	6	6	....	....	....	....	....	....	....	....	....	1–10	31	
3 rooms, Preparatory III..	1	....	9	14	10	4	....	1	....	....	....	....	....	3–8	39	
2 rooms, Grade I.........	....	....	1	6	14	3	1	....	....	....	....	....	....	4–5	25	123
Intermediate School																
1 Academic, Grade II.....	1	....	....	3	4	5	1	....	....	....	....	....	....	4–9	14	
2 Academic, Grade III....	....	....	....	....	4	3	1	2	....	....	....	....	....	5–4	10	
3 Academic, Grade IV....	1	1	....	....	....	1	10	2	....	....	....	....	....	6–5	15	
4 Academic, Grade V.....	....	....	1	....	1	2	3	5	2	....	....	....	....	7–0	14	
1 Vocational.............	....	2	2	....	2	....	....	....	....	....	....	....	....	2–6	6	
2 Vocational.............	1	....	1	1	2	....	....	2	1	....	....	....	....	4–6	8	
3 Vocational.............	....	3	2	....	2	....	3	....	....	....	....	....	....	3–0	10	
4 Vocational.............	....	....	....	1	1	....	2	3	1	....	....	....	....	7–0	8	85
Senior School																
1 Academic, Grade VI....	....	2	1	....	....	1	1	1	5	2	1	....	....	8–2	14	
2 Academic, Grade VII....	1	2	....	....	....	....	1	3	3	3	....	1	....	8–0	14	
3 Academic, Grade VIII...	1	3	....	....	....	....	....	....	....	3	2	1	....	9–4	10	
4 Academic, Grade IX....	....	....	1	....	....	1	....	....	....	1	....	....	....	5–0	3	
1 Vocational.............	....	1	1	2	1	....	....	....	....	....	....	....	....	3–3	5	
2 Vocational.............	....	....	....	1	3	....	....	4	1	1	....	....	....	7–3	10	
3 Vocational.............	....	....	....	1	....	1	2	3	4	2	....	....	....	7–10	13	
4 Vocational.............	....	....	....	....	1	1	1	2	1	....	1	3	1	8–6	11	
Full Time Vocational.....	....	1	....	....	....	....	....	....	2	2	2	2	1	10–0	10	90
Totals..............	25	40	28	35	45	22	26	28	20	14	6	7	2	....	....	298

Teaching Staff

Mr. J. W. Hodgson, in charge of physical education last year, was transferred in September to the vocational school as teacher of agriculture. Mr. Munday, the former teacher of this subject, resigned in June to accept a position in the Stirling High School. Mr. James A. Rickaby succeeded Mr. Hodgson as Physical instructor of boys, beginning his duties on October 27th. Matrimony claimed two more of our teachers this year in the persons of Misses A. Sweetman and M. Lally. They were successful, experienced teachers who had given faithful service for many years. Their successors, Misses M. Wilkins and M. O'Sullivan, have excellent qualifications and have adapted themselves very quickly to this new field of teaching the deaf.

Notwithstanding many changes in the teaching staff in recent years, the high standing of efficiency of the school has been maintained. This has been made possible by the selection and appointment of young teachers, who by experience, training, and temperament have the qualifications necessary for teaching deaf children.

Canadian National Exhibition

For the second year, the school had a display of work at the Canadian National Exhibition. The demonstrations by the pupils each day included woodworking by the boys and sewing on power machines by the girls.

The following excerpt is taken from an article by I. R. McK., which appeared in *The Globe and Mail*, Toronto, during the Exhibition:

> I was delighted to see in the National Industries Building at the Exhibition such a magnificent display of the work of the deaf pupils of the Ontario School for the Deaf at Belleville. I am always very much interested in the deaf and in their educational progress. To me they

are always very marvellous when one considers their tremendous double handicap of deafness and inability to speak; almost as great a handicap as blindness.

I was glad to see an old friend, Arthur Hazlitt, in the exhibit, who showed me the different articles of printing, woodwork, shoes, commercial art and many other things. A youth was operating a typewriter. I asked him his speed, and he said sixty words a minute, which is a fine rate. Two pretty girls were there, one operating a power machine, the other weaving some pretty fabric.

School Dentist

The appointment of Dr. C. Caldwell as part-time school dentist was effective from September 1st, 1939. Dr. Caldwell has placed the necessary equipment in a room in the school hospital and works there two half-days a week during the school term.

Good health is not possible unless teeth are in good condition. This has a special interest for deaf children, because of the importance of strong, healthy, teeth in the acquiring of good speech. In the past the teeth of many pupils received the necessary treatment by their family dentist, when the children were home during the summer holidays. Many pupils, however, had defective teeth. Either their parents were unable, for financial reasons, to have their teeth filled, or their homes are at too great a distance from a dentist. The teeth of these children are now receiving treatment from the school dentist. Dr. Caldwell will also examine the teeth of the other pupils, and send reports to the parents on the condition of the children's teeth, before school dismisses.

Dr. Caldwell's first report is included herewith.

Visit of King George and Queen Elizabeth

The children were keenly interested in the visit of Their Majesties to Canada in June. They prepared souvenir books containing photographs of the King and Queen and the Royal Princesses, as well as many clippings pertaining to the visit. Each child received a bronze medallion, commemorating the occasion.

On Sunday evening, May 21st all pupils walked to the Belleville depot where they had the opportunity of seeing Their Majesties as the Royal train passed through Belleville.

New Hearing Aids

As a help in teaching speech and lip-reading, two new group hearing aids, an Aurex and an Acousticon, were made available for use when school reopened in September. The Aurex was purchased in June and the Acousticon was donated to the school by the Kinsmen's Club of Windsor.

Farm, Buildings, and Grounds

For the first time in many years the farm is credited with an operating profit of approximately $200.00. This is very gratifying, and the profit should be increased when the new orchard has reached the producing stage and when it is possible to build a new barn.

The buildings and grounds are being maintained as economically as possible. The repairing or relaying of roofs and the installation of new boilers are the most urgent requirements. Realizing the necessity of avoiding any capital expenditure during the war, the engineer is endeavouring to use the present boilers as long as possible. They will require extensive repairs, however, during the summer.

The assembly room has been fitted up with basket-ball nets, and girls and boys are making use of it in playing this popular game.

Year Book

The Quinte Outlook, a year book, prepared by the senior pupils and printed in the school printshop, was issued for the first time at the close of school in June, 1939. This first year book was dedicated to Miss Catherine Ford, "as a slight token of sincere appreciation to her for years of faithful and devoted service in behalf of the pupils."

School Calendar

April 20th—Annual boys' banquet and presentation of championship pennants and individual crests.

April 27th—Annual banquet for girls, including Girl Guides, and presentation of championship pennants and individual crests.

June 3rd—Annual C.O.S.S.A. Track Meet on O.S.D. grounds, the deaf pupils participating.

June 9th—Annual O.S.D. Field Day and Track Meet.

June 15th—Visiting day and display of work of vocational classes.

June 16th—Closing exercises, including presentation of Princeps Alumnus and Alumnae Prizes, donated by the Ontario Association of the Deaf. The prizes were presented by H. J. Lloyd of Brantford. Twelve students received High School Entrance certificates.

October 28th—Hallowe'en party for the senior pupils.

November 4th—Hallowe'en party for the intermediate pupils.

December 18th—Pageant, *The Nativity*, presented three times in the assembly room, at noon to the Rotary Club and Clergy of Belleville, in the afternoon to the pupils, and in the evening to the public.

February 9th and 10th—Winter Sports, Carnival and Party.

Report of Dentist

At the beginning of the school year, I examined the teeth of all pupils. A report of each examination was sent to the parents, who had the privilege of having the work done by their local dentist or of authorizing the work done by the school dentist. One hundred and eighty-six slips were returned authorizing work to be done; 28 pupils did not need attention; 149 fillings were inserted for girls, 179 fillings for boys; 19 permanent and 48 deciduous teeth were extracted. Splendid co-operation was given by the pupils.

Respectfully submitted,

G. C. Caldwell,

Dentist.

Report of School Physician

The total number of admissions to hospital for the year 1939-1940—186. These included one appendectomy, one fracture of arm, several minor operations such as opening abscesses, etc., one case of pyonephrosis which required removal of diseased kidney, and two cases of chronic discharging ears which were treated with encouraging results. There were 24 cases of chickenpox.

All pupils were tested for tuberculosis. The reactors were X-rayed. There were no cases of active tuberculosis. The supervisors, maids, and some of the teachers were tested for tuberculosis and where necessary an X-Ray was made.

All new pupils received immunization for scarlet fever and diphtheria, and were vaccinated against smallpox.

An examination of the urine of all pupils was made.

R. W. TENNENT,
Physician.

Bursar's Report

Cost per Pupil, School for the Deaf, Year ending March 31, 1940

Heading of Expenditures	Total expenditures year ending March 31, 1939	Yearly cost per pupil, year ending March 31, 1939	Weekly cost per pupil, year ending March 31, 1939	Total expenditures year ending March 31, 1940	Yearly cost per pupil, year ending March 31, 1940	Weekly cost per pupil, year ending March 31, 1940
Medicine and medical comforts...	$694.32	$2.37	$0.05	$758.04	$25.62	$0.05
Groceries and provisions.........	22,498.89	76.79	1.48	22,996.53	77.69	1.49
Beddings, clothing, and shoes....	1,131.34	3.86	.07	2,078.70	7.02	.13
Fuel, light, power, and water.....	15,915.39	54.32	1.04	16,684.47	56.36	1.08
Laundry, soap, and cleaning.....	1,738.29	5.93	.11	1,493.47	5.04	.10
Furniture and furnishings.......	1,995.11	6.81	.13	1,533.02	5.18	.10
Farm expenses................	2,767.30	9.45	.18	2,626.43	8.87	.17
Repairs and alterations..........	2,357.91	8.05	.15	2,390.93	8.08	.16
School supplies and equipment...	2,098.54	7.16	.14	2,421.60	8.18	.16
Maintenance of motor vehicles...	887.63	3.03	.06	954.82	3.22	.06
Contingencies..................	2,356.90	8.04	.16	1,721.13	5.82	.11
Vocational supplies.............	2,725.26	9.30	.18	3,327.53	11.24	.22
Travelling expenses.............	1,086.21	3.71	.07	844.45	2.85	.05
Canadian National Exhibition....	....	....	....	468.31	1.58	.03
Salaries and wages..............	86,131.09	293.96	5.65	86,758.12	293.13	5.64
Total expenditures..........	$144,384.18	$492.78	$9.48	$147,057.55	$496.82	$9.55
Revenue						
Pay Pupils...................	3,375.00			$3,639.50		
Farm......................	65.50			6,188.40		
Canadian....................	271.88			60.60		
Industries....................	5,977.15			280.29		
Miscellaneous.................	1,008.83			570.68		
Perquisities, Pay List..........	6,764.87			6,925.66		
Total.....................	$17,463.23			$17,665.13		

Average number of pupils, 1938-39 term, 293.	Average number of pupils, 1939-40 term, 296.
Annual cost per pupil, $492.78.	Annual cost per pupil, $496.82.
Weekly cost per pupil, $9.48.	Weekly cost per pupil, $9.55.

C. B. McGUIRE, *Bursar.*

Respectfully submitted,

W. J. MORRISON,
Superintendent.

Belleville, May 2nd, 1940.

APPENDIX J

REPORT OF THE SUPERINTENDENT OF THE ONTARIO SCHOOL FOR THE BLIND

Enrolment

	Boys	Girls	Total
Enrolment, June, 1939	90	74	164
Withdrawals, June, 1939	17	10	27
	73	64	137
New Students, September, 1939	21	11	32
New students admitted during the year	....	1	1
	94	76	170
Withdrawals during the year	4	1	5
Enrolment, June, 1940	90	75	165

Enrolment by Provinces for the past 6 years

Year	Ontario	Alberta	Manitoba	Saskatchewan	Total
January 1, 1935	79	12	9	11	111
January 1, 1936	90	15	10	11	126
January 1, 1937	101	19	9	15	144
January 1, 1938	111	18	8	14	151
June, 1939	117	25	7	15	164
June, 1940	122	20	9	15	165

We have had a continually increasing enrolment for the past six years, as shown in the above table. The reason for this increase has been two-fold,—first, the extension of our academic work from a Public School Entrance level to a Junior Matriculation level, with the result that the leaving age has been raised from three to five years. The second reason is that the general community of the Province has been more finely combed by the Field Officers of the Canadian National Institute for the Blind. It would seem that these two causes have now reached their maximum effect, as our population has remained at practically the same level for the past two years.

New Pupils in Age Groups

Age	No. Pupils	Age	No. Pupils	Age	No. Pupils
6 years	1	13 years	2	18 years	2
7 "	3	14 "	1	20 "	1
8 "	4	15 "	4		
9 "	5	16 "	3	Total	33
10 "	1	17 "	6		

Mental Ratings of New Pupils

Intelligence Quotient	No. Pupils	Intelligence Quotient	No. Pupils
120–140	4	50–75	5
110–120	5	Untested	2
90–110	11		
75–90	6	Total	33

Enrolment by Grades

Grade	No. Pupils	Grade	No. Pupils
I	16	VIII	13
II	17	IX	17
III	9	X	21
IV	9	XI	12
V	11	Specials	9
VI	15		
VII	16	Totals	165

Music

Music must always remain a worthwhile part of education for the blind. There are aesthetic benefits to be gained, but music also trains in tactual and spatial concepts and values, by means of which the blind form their mental imagery. Music instruction for the past year is outlined in the following table:

Piano		103 students
Organ		3 "
Musical Theory		40 "
Piano Tuning		16 "
Orchestra:	Strings	19 "
	Woods	7 "
	Brasses	9 "
	Percussion	1 student

The following students passed their Toronto Conservatory of Music examinations with standings as follows:

Student	Subject	Grade
Annie Simons	Grade V Counterpoint	First Class Honours
	Grade V History	Pass
	Grade V Harmony	Honours
Mildred Philpott	Grade V Counterpoint	First Class Honours
	Grade V Harmony	Honours
Helen Self	A.T.C.M. Performer's Vocal	First Class Honours

At the Stratford Musical Festival in May-June, our students won the following awards:

Entry	Award
Mixed Quartette	2nd Prize
Double Trio	2nd Prize
Mixed Duet	1st Prize

Entry	Award
Male Quartette	2nd Prize
Ladies' Duet (under 21 years)	1st Prize
Ladies' Trio	1st Prize
Ladies' Duet (open)	1st Prize
Ladies' Trio (under 21)	2nd Prize
Mixed Quartette (open)	1st Prize
Madrigal Ensemble	Stratford-Beacon Herald Trophy
(Third successive win—permanent possession)	
Ladies' Small Ensemble	McLagan Trophy
(Second successive win—three wins required for permanent possession.)	
Male Chorus	Pounder Trophy
(First win—three successive wins required for permanent possession.)	

Health and Health Education

The general health of our student group has been good throughout the year. As the congenitally blind often have other physical defects accompanying their blindness, and as the pre-school life of the blind child is generally too sheltered, it is imperative for us to have a very thorough and vigorous training to develop physical fitness.

This training includes formal gymnastics, outdoor hikes, skating, ball games, field and track games, eurhythmics and folk dancing. Every student has a health class every day. In field and track events our team successfully defended the International Cup at Batavia School for the Blind, New York, on May 24th. As this was the second consecutive win, the trophy becomes the property of the Ontario School for the Blind.

High School Department

As shown by a preceding table, we carried grades IX, X, XI and a group of special students. Matriculation study was done in the following subjects: English, French, Spanish, Ancient History, British History, Music, Mathematics, Science, Typewriting, Sewing, Weaving, Knitting, and Industrial Shop.

Our senior students obtained standing in thirty-five papers in Middle School examinations.

One of our 1939 graduates, Miss Louise Cowan, went to McMaster University as a Scholarship student. In her recent first year examinations she obtained honour standing in six papers and credit in the remaining one. We have graduate students pursuing their studies in the University of Alberta, University of Saskatchewan, and McMaster University.

Manual Arts

In our Industrial Shop, the boys continue to do chair caning, and pith seating, rapid assembly tests, willow furniture making and general furniture repairs. They financed their Senior Club on receipts from chair caning and the sale of two upholstered willow chairs.

In the girls' department, we have carried on the usual work in knitting and sewing. All senior girls are trained in the use of a power sewing machine. This year we began work in weaving. We bought one large and one small loom and made some further equipment in our carpenter shop. Although the work was begun late in the term, some very creditable articles were made. Our instructress in weaving, Miss MacGillivray, is taking a further course of instruction during the vacation.

Grounds and Buildings

Due to the outbreak of the war, the erection of our new school was postponed indefinitely. During the year our male help staff have painted several rooms, sanded and varnished floors throughout the school and dormitory buildings, and have generally kept the buildings in a state of good repair.

I would recommend that some painting be done by the Public Works Department every year. This would enable us to keep our home atmosphere bright and clean and cheery, and avoid such an accumulation of need that it would seem hopeless to remedy it.

Canadian National Institute for the Blind

Col. E. A. Baker and his C.N.I.B. organization continue to place all our graduates. Dr. Swift sends us gratis from the C.N.I.B. library copies of Braille magazines for our students' club rooms. He is at present making for us Braille copies of the authorized Ontario School Readers. The Institute serve us in many ways and our relations with them have always been most cordial.

Service and Acknowledgments

Our student body has continued to render worth-while service to the community, mainly by assisting at church concerts and school functions, with choral and orchestral entertainment. Much of the concert work is done under the able direction of Miss S. Miller, an indefatigable member of our staff.

Our students are indebted to churches, theatres, schools, and private individuals in the City of Brantford for hospitality, entertainment, and various kindnesses. In acknowledging these, I express our thanks.

Staff Changes

Miss Ella Koch, music teacher, resigned during the summer of 1939 to get married. Mr. Leo Carroll was appointed as her successor. Both Miss Koch and Mr. Carroll were former students of the school. Miss Ethel White, music teacher, has done part-time service with us during the year. Miss Deborah Haight of Norwich, Ont., was added to the academic staff in September, 1939, to teach in our public school classes. For the two previous years this work had been done by occasional teachers, and prior to that by Miss Anne Hodge, who was transferred to the High School Department three years ago.

Exchange Teacher

Miss Elizabeth McHarrie Ludgate of the School for the Blind, Newcastle-on-Tyne, has been with us on exchange during the past year. Miss Jean Babb of our staff went to Newcastle-on-Tyne. The Newcastle school teachers and staff were evacuated during the year to a less vulnerable area.

Miss Ludgate did a good year's work in her classroom, endeared herself to pupils and staff, and was always ready to speak of the work for the blind in Great Britain to pupils and teachers in or out of the Ontario School for the Blind. Miss Babb has enjoyed her work in England. I anticipate that both schools and both teachers will profit by the exchange.

Scholarships and Awards

The Ethel Charlton Memorial Scholarship Prize was won this year by a western student, Miss Margaret Pawluk of Angusville, Man. The cash value of this prize is $45.00.

The Character Cups, awarded to the school's outstanding boy and girl, were won by Miss Helen Self of Toronto and Mr. Edwin Wheeler of Peterboro, Ont.

Our Field Day Athletic Cups are held this year by the following boys and girls:

Senior Group:	Miss Margaret Aultman, Powassan, Ont., Mr. Ernest Rush, Coalhurst, Alta.
Intermediates:	Mary Gilman, Peterboro, Ont., Peter Stacknick, Fort William, Ont.
Junior Group:	John Panteluk, Bienfait, Sask., Betty Ferguson, Toronto, Ont.

The history Prize, given by the Maude MacDonald Chapter of the I.O.D.E., was won by Peter Lipnicki of Kitchener, Ont., and the Public Speaking Prizes by Margaret Pawluk, Angusville, Man., and Edwin Wheeler, Peterboro.

War Work

The students were anxious from the day war was declared to help the British cause in any way they could. The Merry Makers (Senior Girls) Club, the Senior Boys' Club, Girl Guides, Brownies, and the whole pupil group have participated. Money donations were sent to the Chinese Relief, Finnish Relief, Canadian Red Cross, and two ambulance fund drives. Scores of pairs of socks, and many scarves, sweaters, and mitts have been knitted. Hospital garments were made in our sewing classes. If the need still exists, we shall carry on in September.

Medical Report

I submit herewith report on the health of pupils and staff of the Ontario School for the Blind from June 30th, 1939 to July 1st, 1940:

Total number of patients	167
Total number of hospital days	913
Infectious diseases:	
1. Scarlet fever	14
2. Scarlet fever convalescents	14
3. Chicken Pox	2
Infections and boils	6
Influenza	16
Sore throats and tonsilitis	20
Colds	40
Bilious attacks	19
Sprained ankles and accident cases	12
Heart conditions	2
Rheumatic fever cases	2
Nervous disorders	3
Eye cases	3
Vaccination reactions	0
Toxoid reactions	0
Miscellaneous	14
Number of pupils receiving 3 doses diphtheria toxoid	20
Number of pupils receiving 5 doses scarlet fever toxin	34
Number of pupils vaccinated	6

All pupils were given Dick Test for scarlet fever. Thirty-four showed positive reaction.

With the exception of our scarlet fever epidemic, we had a very normal year from the standpoint of health. Of the two heart conditions, one was returned to her home, and the other, a small boy, was cared for at the school.

All the accident cases were of a minor nature. One of the rheumatic fever patients was a "repeater". This condition developed after an attack of scarlet fever, and it was thought best to send this young lady home for a complete rest. The other, a young boy, was cared for in the school hospital, and made a complete recovery.

There were fourteen scarlet fever patients, all of whom were removed to the isolation ward of the Brantford General Hospital for the necessary period, and were further quarantined in the school hospital for a further precautionary period after their return to the school hospital. After the first few cases a Dick test was given to the entire school population, and of the 165 pupils only 34 showed positive reactions. These were all given scarlet fever toxin.

Twenty of the new students were given diphtheria toxoid and six were vaccinated. There were no reactions from these.

The student body as a whole are in fine physical condition. Care of the teeth, daily physical exercise, precautionary measures such as vaccination, toxoid treatments, etc., have all been immensely worth-while. Annual physical examinations, a monthly check-up on weights, and excellent nursing care in illness also contribute to this satisfactory health record.

All of which I take pleasure in submitting.

J. A. Marquis,
Physician.

Brantford, July 3rd, 1940.

Report of Ophthalmologist

I have the honour to present the report of the eye examination of the new pupils during the school year 1939-40. This class numbers 31 pupils, 11 of whom are girls and 20 boys. The results of the examination are as follows:

Condition of sight	Male	Female	Total
1. Limited vision in both eyes	10	5	15
2. Limited vision in one eye	8	1	9
3. Quantitative light perception in both eyes	....	1	1
4. Quantitative light perception in one eye, none in the other	....	2	2
5. Without light perception in both eyes	2	2	4
	20	11	31

It is very interesting to note the large number of pupils of this year's class whose visual acuity places them in either the first or second group of the above chart. It would seem to indicate that many of the cases coming to the school are pupils with a much higher percentage of sight than was formerly the case. Not only is their distant vision better, but many of them have better near sight,—so much so that we feel some could see well enough to be educated in public schools, especially if they utilized text-books with large type, as supplied by the Department. However, some of the pupils in this group are of High School age and standing, and it would not be possible for them to secure the large typed texts necessary for the advanced work.

Quite in contrast with the above observation are those pupils in group five, of whom there are four this year. This number constitutes a definite increase in this type of case over the number found in recent years.

Diseases causing Blindness	Male	Female	Total
1. Ophthalmia Neonatorum and Keratitis	3	1	4
2. Iritis, Uveitis and Sympathetic Ophthalmia	1	1	2
3. Congenital lesions, Cataract and Dislocation of Lens-Coloma	5	1	6
4. Fundus Lesions, Retino-Choroiditis	5	3	8
5. Optic Atrophy	2	3	5
6. Myopia	2	2	4
7. Congenital Glaucoma and Buphthalmus	2	....	2
Totals	20	11	31

From the above table it will be noted that in group 1 there are four cases described as blindness from Keratitis,—possibly resulting from Ophthalmia Neonatorum origin. Because this type has been less frequently found in pupils coming to the school for the first time in recent years, we were led to hope that the incidence of purulent ophthalmias was on the decline. The apparent increase in these cases found in this year's class would rather discourage that hope, but the probable explanation is that there is no actual increase, and that the present occurrence is more or less accidental.

In the class described as congenital lesions (group 3) the number is about the same as formerly. There are always several cases of congenital cataract. These are a rather unfortunate group, because even though they receive the very best medical or surgical attention, their sight is still greatly impaired, chiefly because this condition is so frequently associated with some other congenital lesion.

Probably the most significant fact in the foregoing table is the large number of cases classified as fundus lesions. This group includes, of course, retinitis, retinitis pigmentosa, and retino-choroidal changes. For the most part they are congenital in origin. In this year's class some eight cases fall into this category.

In the course of our examination of all the pupils at the school, it was gratifying to note the visual improvement in many since their previous examination. We feel that this is due not only to the advice given them as to the use and care of their eyes, but also to the fact that they are receiving a well-balanced diet, rich in the essential salts and vitamins. I particularly stressed the value of taking plenty of milk.

All of which is respectfully submitted.

Norman Bragg, M.D.

Report of School Dentist

I have the Honour to submit my dental report for the year 1939-40.

As usual all the pupils presented themselves for dental examination and the following work was completed:

Boys:—Fillings, 165. Extractions—deciduous, 16; permanent, 20.
The teeth of 23 boys required no fillings.
The teeth of 25 boys required only one filling.
Girls:—Fillings, 109. Extractions—deciduous, 14; permanent, 6.
—The teeth of 21 girls required no fillings.
The teeth of 22 girls required only one filling.

Twenty boys and twenty-one girls, or about one-quarter of the enrolment of the school, kept their teeth in such a state of cleanliness as to give me great satisfaction.

Respectfully submitted,

J. R. Will.

BURSAR'S REPORT

Financial Statement

Expenditures

Salaries and Wages	$55,747.35
Travelling Expenses	356.10
Medical Department	335.60
Groceries and Provisions	14,404.56
Bedding and Clothing	852.71
Fuel, Light, Power, and Water	9,330.22
Laundry Soap and Cleaning	1,365.53
Furniture and Furnishings	1,400.80
Farm and Garden	790.39

EXPENDITURES

Repairs and Alterations	1,977.34	
School Supplies, etc.	2,459.84	
Dental and Oculist Services	448.75	
Motor Conveyances	.54	
Contingencies	1,359.16	
Total		$90,828.98

CASUAL REVENUE RETURNED TO THE DEPARTMENT

Perquisites	$5,587.66	
Farm Account	981.45	
Pigs	159.01	
Horse	10.00	
Cows	559.30	
Western Fees	14,233.33	
Total		$21,530.75

SUMMARY

Total Expenditures	$90,828.89
Less Casual Revenue returned to the Department	21,530.75
Actual Expenditure	$69,298.14

Certified Correct,
G. H. Ryerson, *Bursar.*

Conclusion

I should like to express my appreciation of the services rendered by all members of the staff of the Ontario School for the Blind during the past year. The house staff, too, have been faithful in the discharge of their duties.

H. J. VALLENTYNE,
Superintendent.

Brantford, July 10th, 1940.

APPENDIX K

REPORT OF THE INSPECTOR OF PUBLIC LIBRARIES

I have the honour to present my annual report herewith. The library statistics given are those for the year 1938, and the legislative grants are those which were paid in 1939.

1. Circulation of Books

Although the record of books circulated does not by any means tell the whole story of public library influence, it is, nevertheless, the chief and most convenient measuring-rod by which such influence can be gauged.

It is interesting to observe, then, that the use of public library books, which was decreasing in 1937, developed a sharp up-swing in 1938. And even more important than this, I am able to report as a result of discoveries made in my visits to the libraries that the quality of the public reading is steadily improving. I find libraries which a few years ago were working towards a 30 per cent. objective in the use of adult non-fiction books have now passed that mark and are, with even greater confidence, aiming at the 40 per cent. mark. Some have actually reached and passed this higher objective during the best reading months. I note also a gratifying improvement in the quality of the children's books purchased by many libraries, an improvement which I assign to two influences,—the new curriculum in the schools, and the greater use now being made of the lists of boys' and girls' books published in the *Ontario Library Review.* These lists are contributed by the Boys' and Girls' House of the Toronto Public Libraries.

It is much more difficult to arrive at general conclusions as to the quality of fiction reading. I can only say that among the better libraries I find a growing tendency to reduce the purchasing of "run-of-the-mill" novels and, at the same time, to enlarge the stocks of those in which sincerity and thoughtfulness are the keynotes. Since the actual numbers of novels read has not generally declined it is to be assumed that this trend in book buying is meeting with public approval.

The following short tables are offered by way of illustration of the general "spread" of reading throughout the province.

Circulation, 1938, in the larger cities—

Toronto	4,229,824	Windsor	603,737	
Hamilton	763,533	London	543,803	
Ottawa	514,714			
		Total		6,655,611

Circulation, 1938, in places of 24,000 to 75,000 population—

Brantford	256,466	St. Catharines	273,379	
Fort William	217,715	Sault Ste. Marie	129,976	
Kingston	245,233	Sudbury	49,421	
Kitchener	266,935	Timmins	108,040	
Oshawa	139,171			
Peterborough	170,225	Total		1,856,561

Circulation, 1938, in places of 10,000 to 24,000 population—

Belleville	116,463	Port Arthur	102,050	
Chatham	119,422	St. Thomas	165,676	
Cornwall	44,521	Sarnia	172,051	
Galt	82,377	Stratford	161,666	
Guelph	229,489	Welland	72,326	
Niagara Falls	198,425	Woodstock	97,357	
North Bay	103,696	Kirkland Lake	42,019	
Owen Sound	144,722			
Pembroke	39,775	Total		1,892,035

Circulation in remainder of Province 3,950,508

Grand Total 14,354,715

Comparative Summary

	1937	1938
Circulation in 231 Free Libraries	12,336,077	13,456,531
Circulation in 366 Association Libraries	857,565	898,184
Totals	13,193,642	14,354,715

Increase in 1938—1,161,073.

2. Support of Libraries

Municipal appropriation for free library purposes in 1938 amounted to $1,191,644.88, which is an increase of $89,153.39 over the year before.

My last report showed that there were 26 libraries receiving more than 60c. per capita from their municipalities. The number was reduced to 24 in 1938. Receiving the minimum 50c. per capita and up to 60c., there were 40 in 1937 and 42 in 1938. Happily, however, the 23 libraries which were endeavouring to operate on less than 25c. per capita have now been reduced in number to 18.

A study of the tables included with this report shows that the financial support given the free libraries by their municipalities falls far short of the demands made upon the public of the library resources.

The legislative grants paid to all libraries in 1939, and based on 1938 library expenditures, amounted to $40,015.77, which was an increase of $2,236.47 over the amount paid in 1938.

3. Salaries. Free Public Libraries only

Salaries paid in 1938 were as follows:—

Chief librarians	$120,133.16
Assistant librarians	462,548.52
Total	$582,681.68

This is 45 per cent. of the total expenditures of the free public libraries. It is an increase of $41,972.08 over the amount paid in salaries in 1937.

4. Public Library service to schools

With the advent of the new curriculum in the Ontario school system, a challenge and a new field of service were presented to the libraries of the province. The challenge has been accepted. Book service to school children, rural and urban, is being developed and extended as rapidly as possible.

I am not able to offer full statistics covering the extent of the book service being given to schools by the libraries, but a general questionnaire which brought in 135 replies offers the following enlightenment:

38 libraries (not including Toronto) are giving organized book service to 229 rural and 84 urban schools.
6 libraries are serving 15 rural and 7 urban schools.
84 libraries are giving service, although not co-operatively organized, to 29 rural and 31 urban schools.

A second enquiry directed to those libraries which are members of county library associations throws further light upon the question and offers further evidence of the significance of the county library movement. A summary of the number of schools receiving organized library service from such associations is as follows:

Lambton	98
Middlesex	106
Elgin	33
Oxford	31
Simcoe	35
Total	303

5. The County Libraries

The work of County Co-operative Library Associations continues to develop steadily. The circulation of books in the four older county libraries rose in 1938 to 72,851 as against 53,476 in the year before.

Since these figures were compiled, Simcoe County has established a county library system and the people of Essex are in process of organizing for the same purpose. In Lambton and Middlesex the financial support given by the County Councils has been materially increased, greatly to the benefit of rural library service.

Observing the work of these county library co-operatives as they progress step by step, holding every gain, I become more than ever firmly convinced that upon them and upon their expansion depends the whole future of rural book service in the province.

6. The Travelling Libraries, 1939

The public demands upon the services of the travelling libraries continue to increase in a most gratifying manner. The building up of our stocks of contemporary adult books and of children's books suitable for use in the new curriculum, is exerting a strong influence towards the further expansion of this service. The applications from rural and northern schools were so numerous during the autumn that our children's shelves remained completely stripped during the months of November and December.

Although not properly equipped to handle open-shelf reference service we were able to assist numerous Women's Institutes and study groups with 170 special loans during the year.

The use of the rural teachers' library decreased to the low figure of 620 volumes during the year, although I am able to report that during the last two months of the year an improvement in circulation became noticeable. There are 902 teachers registered with this service.

A summary of the service given by the Travelling Libraries Branch is as follows:

Libraries sent out during 1939—

To Public Libraries	218	
To schools	543	
To Women's Institutes	114	
To Study groups, etc.	127	
Total		1,002
Increase over 1938		160
Book Circulation, 1939:		
Boys' and girls'	67,724	
Classed books	14,672	
Fiction	30,092	
Total		112,488
Increase over 1938		32,379
Books purchased, 1939:		
Boys' and girls'	3,785	
Classed books	1,677	
Fiction	1,658	
Total		7,120
Books withdrawn		4,180
Total number of books now in library		33,332

ANGUS MOWAT,
Inspector of Public Libraries.

Toronto, April 30th, 1940.

TRAVEL
VIS
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BY'S

An Art Class in a Toronto Public School.

FREE PUBLIC

Showing Statistics, 1938, and

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Salary paid Librarians	Salaries paid Permanent Assistants
						$ c.	$ c.
1	Acton	1,916	638	5,468	10,871	166.00	96.00
2	Ailsa Craig	477	169	3,990	3,261	100.00	....
3	Almonte	2,259	601	4,798	17,458	430.00	....
4	Amherstburg	2,900	907	7,329	29,298	900.00	....
5	Arnprior					No Annual Report	
6	Arthur	1,037	164	3,800	6,227	84.00	....
7	Aurora	2,850	829	6,288	30,142	420.00	110.50
8	Aylmer	1,980	1,431	16,289	20,362	300.00	....
9	Ayr	730	394	5,351	8,387	175.00	....
10	Barrie	8,135	1,989	11,688	73,884	1,100.00	469.75
11	Beamsville	1,200	698	8,510	17,598	330.50	....
12	Beaverton	1,500	204	2,218	2,267	180.00	....
13	Beeton	600	165	2,640	971	50·00	....
14	Belleville	14,764	6,247	16,452	116,463	1,200·00	1,529.75
15	Belmont	600	320	1,956	4,574	102·00	....
16	Bothwell	647	166	2,553	4,794	104·00	....
17	Bracebridge	2,493	1,127	6,006	21,351	600·00	....
18	Brampton	5,600	2,543	7,134	42,179	750·00	284.75
19	Brantford	31,439	13,826	41,841	256,466	1,400·00	5,245.00
20	Brighton	1,500	338	2,587	15,436	195.00	....
21	Brockville	9,903	6,973	20,725	84,064	1,680.00	1,235.00
22	Brussels	750	207	5,213	5,371	240.00	....
23	Burk's Falls	818	488	2,807	4,104	180.00	....
24	Campbellford	2,850	1,620	8,624	32,082	625.00	25.00
25	Cardinal	1,450	190	3,787	4,096	100.00	....
26	Carleton Place	4,270	326	6,999	14,465	380.00	....
27	Cayuga	700	106	2,833	4,928	60.00	....
28	Chatham	16,581	4,023	26,927	119,422	1,437.09	3,265.27
29	Chesley	1,750	604	5,724	15,127	225.00	....
30	Clifford	452	102	5,065	3,838	50.00	....
31	Clinton	1,900	635	11,124	14,759	525.00	....
32	Collingwood	5,600	975	13,001	25,547	720.00	....
33	Cornwall	13,337	1,987	11,636	44,521	900.00	207.50
34	Delhi	2,083	292	3,791	10,770	208.75	....
35	Drayton	529	277	4,162	4,597	240.00	....
36	Dresden	1,572	236	3,834	8,708	364.00	....
37	Dryden	1,650	426	4,156	15,773	225.00	....
38	Dundas	4,960	2,889	10,263	43,902	600.00	583.32
39	Durham	1,864	769	6,545	15,556	300.00	....
40	Elmira	2,075	1,127	6,936	10,894	250.00	....
41	Elora	1,195	429	10,608	14,868	240.00	....
42	Erin	485	140	3,581	2,875	60.00	....
43	Essex	1,800	795	5,312	6,765	300.00	....
44	Exeter	1,649	906	5,787	15,122	373.45	....
45	Fenelon Falls	1,060	232	2,929	3,964	207.42	....
46	Fergus	2,795	670	6,742	20,654	350.00	....
47	Flesherton					No Annual Report	
48	Fonthill	1,000	225	7,691	5,899	180.00	....
49	Forest	1,520	501	2,964	17,022	500.00	....
50	Fort Erie, Main	5,898	1,619	10,954	44,825	540.00	605.00
51	Branch					Included	in figures of
52	Fort Frances	5,818	3,416	7,952	38,236	700.00	260.00
53	Fort William, Main	24,371	9,415	44,733	217,715	2,050.32	7,528.61
54	Branch					Included	in figures of

LIBRARIES

Legislative Grants Paid in 1939

No.	Certificate of Librarianship		Municipal Appropriation	Municipal Appropriation per Capita	Legislative Grant Paid in 1939	Amount Expended on Books	Total Expenditure	Hours Library is Open per Week
	Librarian	Assistants						
			$ c.		$ c.	$ c.	$ c.	
1	....	....	646.13	.33	67.21	225.27	794.37	4
2	....	....	130.00	.27	28.12	29.37	166.43	6
3	....	....	600.00	.26	132.86	315.72	865.17	12
4	....	....	2,150.00	.74	137.30	438.86	2,624.15	35
5	for	1938						
6	....	....	288.22	.27	142.22	219.47	495.62	8
7	....	....	800.00	.28	127.71	249.91	973.59	11½
8	....	....	1,000.00	.50	143.97	482.78	1,353.62	12
9	....	....	350.00	.47	101.52	119.05	691.70	27
10	1	....	4,267.50	.52	165.75	988.70	4,966.83	33½
11	....	....	850.00	.70	135.37	374.61	1,081.80	15
12	....	....	200.00	.13	21.01	21.27	305.78	20
13	....	....	150.00	.25	40.33	53.21	153.21	45
14	1	2	6,000.00	.40	209.00	1,861.43	7,668.98	66
15	....	....	190.00	.31	50.25	79.90	310.87	6
16	....	....	100.00	.15	69.14	154.17	307.11	10½
17	....	....	1,246.50	.50	139.15	445.28	1,514.00	27½
18	....	....	2,600.00	.46	158.37	651.53	2,835.77	35¾
19	....	4	12,500.00	.39	209.00	4,044.37	13,927.42	66
20	....	....	360.00	.24	81.61	186.10	571.77	10½
21	....	....	5,640.65	.56	159.00	1,126.48	5,861.77	42
22	....	....	600.00	.80	61.23	84.21	825.08	37
23	....	....	350.00	.42	93.97	109.94	449.64	7½
24	1	....	1,500.00	.52	186.22	511.73	1,938.08	39
25	....	....	200.00	.13	77.57	93.19	327.63	5
26	....	....	500.00	.11	135.42	145.72	849.13	22
27	....	....	100.00	.14	19.18	62.77	135.33	8
28	1	....	8,800.00	.53	209.00	1,985.66	9,815.07	66½
29	....	....	650.00	.37	110.79	252.15	870.55	9
30	....	....	150.00	.33	32.77	83.97	182.96	58
31	1	....	900.00	.47	197.61	356.63	1,431.19	31½
32	....	....	2,500.00	.44	139.25	515.41	2,775.91	45
33	....	....	2,500.00	.18	159.00	724.48	2,774.22	43½
34	....	....	1,269.25	.60	119.70	203.15	1,779.52	12
35	....	....	315.00	.59	58.58	46.34	477.04	26
36	....	....	800.00	.50	73.47	155.47	933.71	35
37	....	....	550.00	.33	99.00	384.27	797.43	8
38	....	....	3,500.00	.70	146.25	427.66	4,084.62	25
39	....	....	800.00	.42	121.75	410.79	1,002.25	12
40	....	....	1,025.00	.49	149.00	237.86	1,219.45	14
41	....	....	746.54	.62	124.85	307.89	945.43	19
42	....	....	225.00	.46	32.77	24.78	212.38	6
43	....	....	700.00	.39	99.03	203.52	927.19	10
44	....	....	950.00	.57	120.50	385.29	1,185.87	15½
45	....	....	300.00	.28	19.00	9.15	503.35	9
46	....	....	1,050.00	.37	144.45	521.26	1,806.27	18
47	for	1938						
48	....	....	s.s. 400.00	.40	90.91	92.43	470.24	7
49	....	....	800.00	.52	135.24	326.01	1,126.27	31
50	....	....	2,000.00	.33	253.06	902.38	2,412.66	32
51	Main	Library						
52	1	....	2,000.00	.34	199.92	691.60	2,423.30	27
53	1	2	15,773.58	.64	419.00	1,691.30	17,195.94	108
54	Main	Library						

FREE PUBLIC

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Salary paid Librarians	Salaries paid Permanent Assistants
						$ c.	$ c.
55	Galt	14,219	7,604	12,649	82,377	1,400.00	1,733.05
56	Gananoque	3,549	2,250	6,480	33,667	600.00	281.25
57	Georgetown	2,250	458	5,201	10,663	300.00	....
58	Glencoe	764	498	4,116	12,486	250.00	....
59	Goderich	4,300	2,066	6,967	28,758	840.00	50.00
60	Gore Bay	800	200	1,408	2,345	104.00	....
61	Grand Valley	590	128	3,311	5,298	300.00	....
62	Gravenhurst	2,000	552	2,991	17,945	160.42	....
63	Grimsby	1,965	1,648	5,161	29,961	660.00	....
64	Guelph	21,558	10,204	36,491	229,489	1,400.00	4,425.35
65	Hagersville	1,345	289	3,650	6,425	156.00	....
66	Haileybury	2,735	573	4,916	12,402	250.00	....
67	Hamilton, Main	155,276	38,566	151,711	763,533	4,000.00	46,994.83
68	Barton Branch					Included	in figures of
69	Kenilworth Branch						
70	Locke St. Branch						
71	Mountain Branch						
72	Hanover	3,200	1,562	6,070	24,705	500.00	....
73	Harriston	1,269	842	6,365	18,897	480.00	....
74	Hensall	685	203	3,031	8,602	110.00	....
75	Hespeler	2,828	855	6,646	21,319	217.31	....
76	Hillsburg	400	211	2,349	5,439	96.00	....
77	Ignace	382	63	757	1,571	50.00	....
78	Ingersoll	5,104	3,276	9,905	48,332	840.00	....
79	Kemptville	1,250	783	4,449	11,470	200.00	....
80	Kenora	8,476	3,796	7,378	55,100	1,100.00	642.90
81	Kincardine	2,470	771	6,050	14,079	332.50	....
82	Kingston	24,900	15,502	34,038	245,233	2,000.00	7,617.50
83	Kingsville	2,500	384	7,058	5,732	412.08	....
84	Kitchener	33,903	10,331	40,735	266,935	2,400.00	5,142.17
85	Lakefield	1,350	408	2,506	7,934	156.25	....
86	Lanark	719	285	2,538	6,498	75.00	30.00
87	Lancaster					No An	nual Report
88	Leamington	5,000	1,348	9,554	30,095	736.00	102.00
89	Lindsay	7,203	2,387	17,927	66,649	720.00	612.00
90	Listowel	2,900	936	7,065	27,642	594.00	....
91	Little Britain	243	73	3,622	3,070	10.00	....
92	Little Current	1,100	412	1,331	2,303	66.50	....
93	London, Main	76,138	24,956	107,765	543,803	3,500.00	16,838.07
94	East Branch					Included	in figures of
95	South Branch						
96	South East Branch						
97	Lucknow	1,062	314	5,635	11,228	225.00	....
98	Markdale	800	440	3,490	8,082	125.00	....
99	Meaford	2,811	906	4,134	25,117	534.60	....
100	Merrickville	800	270	2,175	16,600	204.00	....
101	Merritton	2,656	903	8,570	21,667	524.04	....
102	Midland	6,669	3,789	16,418	55,566	850.00	954.73
103	Millbrook	737	102	3,172	17,579	125.00	....
104	Milton	1,800	717	7,053	10,743	300.00	....
105	Milverton	1,008	260	5,968	9,715	200.00	....
106	Mimico	7,000	3,578	6,942	54,143	950.00	850.00
107	Mitchell	1,615	498	5,227	15,845	300.00	....
108	Mount Dennis	9,832	5,280	6,380	63,607	676.00	535.00
109	Mount Forest	1,815	1,000	7,559	14,127	500.00	....

LIBRARIES

No.	Certificate of Librarianship		Municipal Appropriation	Municipal Appropriation per Capita	Legislative Grant Paid in 1939	Amount Expended on Books	Total Expenditure	Hours Library is Open per Week
	Librarian	Assistants						
			$ c.		$ c.	$ c.	$ c.	
55	1	3	7,205.00	.50	209.00	1,816.95	7,872.71	61
56	....	....	2,000.00	.56	209.00	791.57	2,384.29	36
57	....	....	1,000.00	.44	136.12	319.65	1,144.84	13½
58	....	....	500.00	.65	114.75	250.86	715.95	21
59	1	....	1,900.00	.44	159.00	482.13	2,365.32	42
60	....	....	150.00	.18	87.61	108.75	273.31	5
61	....	....	700.00	1.18	44.90	110.77	775.64	9
62	....	....	876.49	.43	99.00	531.18	963.54	8
63	....	....	1,350.00	.68	139.75	382.99	2,265.48	27½
64	....	....	10,779.00	.50	159.00	3,257.23	11,746.04	66
65	....	....	550.00	.40	134.75	235.26	678.31	8
66	....	....	1,155.80	.42	59.15	229.94	1,269.88	18½
67	1	25	77,867.00	.50	738.45	11,152.10	83,043.79	185
68								
69	Main	Library						
70								
71								
72	....	....	900.00	.28	128.69	677.02	1,344.19	34
73	....	....	700.00	.55	191.00	308.21	1,402.93	35½
74	....	....	195.08	.28	88.04	182.41	345.19	12
75	1	....	1,779.60	.63	189.00	400.51	2,102.73	19
76	....	....	217.90	.54	40.20	82.20	261.96	8
77	....	....	111.05	.29	15.45	63.05	121.25	13
78	1	....	2,552.00	.50	209.00	984.50	3,118.86	35½
79	....	....	550.00	.44	135.25	233.42	847.75	14
80	....	....	4,000.00	.47	159.00	1,090.98	4,416.13	34
81	....	....	900.00	.36	105.50	239.81	1,100.24	12
82	1	3	13,600.00	.54	209.00	2,824.44	16,158.59	66
83	....	....	700.00	.28	58.23	107.97	744.37	20
84	1	4	16,412.50	.48	209.00	4,888.54	17,809.74	66
85	....	....	335.00	.24	128.44	81.58	390.35	6½
86	....	....	200.00	.27	75.77	164.07	313.35	4
87	for	1938						
88	....	....	2,000.00	.40	140.25	686.63	2,502.59	40½
89	....	....	3,600.00	.49	159.00	1,559.08	4,276.69	36
90	....	....	1,100.00	.37	137.32	414.74	1,509.44	42
91	....	....	100.00	.41	41.01	25.96	200.34	78
92	....	....	271.60	.24	63.84	146.64	242.04	4
93	....	11	41,300.00	.54	642.75	11,906.96	45,042.02	102
94								
95	Main	Library						
96								
97	....	....	517.00	.48	119.92	414.13	882.03	15
98	....	....	269.62	.33	91.14	200.36	667.61	7½
99	....	....	1,500.00	.53	131.14	747.00	1,727.07	26
100	....	....	358.84	.44	53.06	127.71	408.63	63½
101	....	....	1,380.35	.52	87.30	204.42	1,595.72	14
102	....	1	3,711.11	.55	185.47	1,140.03	4,155.55	25
103	....	....	250.00	.33	105.99	172.59	445.44	7
104	....	....	500.00	.27	30.68	127.83	676.31	7½
105	....	....	608.86	.60	105.77	224.84	961.40	11
106	....	....	3,900.00	.55	154.00	1,235.30	4,400.55	32½
107	....	....	600.00	.37	130.12	315.84	895.91	10
108	....	....	3,200.51	.32	133.61	880.54	3,528.31	30
109	....	....	1,120.00	.61	111.31	169.15	1,434.84	25

FREE PUBLIC

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Salary paid Librarians	Salaries paid Permanent Assistants
						$ c.	$ c.
110	Newcastle	700	365	4,624	12,469	180.00	....
111	New Hamburg	1,400	638	3,924	16,519	260.00	....
112	New Liskeard	2,968	1,228	11,461	27,977	600.00	....
113	Newmarket	3,790	1,252	6,445	40,725	300.00	....
114	New Toronto	7,140	2,806	12,559	83,173	1,300.00	1,338.45
115	Niagara	1,400	165	9,145	5,281	208.35	....
116	Niagara Fall, Main	18,836	9,211	29,801	198,425	1,410 00	3,570.48
117	Drummond Branch					Included	in figures of
118	North Bay	15,408	7,916	17,317	103,696	1,350.00	1,970.00
119	Norwich	1,091	326	5,607	10,940	220.00	....
120	Norwood	705	248	1,757	6,709	200.00	....
121	Oakville	3,800	795	9,546	29,808	804.00	....
122	Oakwood	200	110	2,815	5,640	75.00	....
123	Oil Springs	514	99	1,458	12,017	54.55	....
124	Orangeville	2,764	675	9,406	21,819	720.00	....
125	Orillia	8,921	3,534	11,254	78,881	800.00	952.21
126	Oshawa	24,756	12,206	17,370	139,171	1,408.00	2,969.30
127	Ottawa, Main	142,452	29,717	157,306	514,714	4,025.00	34,641.56
128	Boys and Girls Branch						
129	Edinburgh Branch						
130	Rideau Branch					Included	in figures of
131	South Branch						
132	West Branch						
133	Otterville	2,512	141	3,734	2,899	104 00	....
134	Owen Sound	13,437	4,219	22,447	144,722	1,096.59	1,948.60
135	Paisley	773	226	3,306	5,329	312.00	....
136	Palmerston	1,400	711	4,965	8,989	360.00	....
137	Paris	4,369	1,572	15,174	39,657	800.00	....
138	Parkhill	1,000	646	3,813	5,107	137.50	62.50
139	Parry Sound	3,599	971	7,617	30,816	600.00	....
140	Pembroke	10,412	3,800	15,370	39,775	1,000.00	....
141	Penetanguishene	4,000	273	8,601	20,856	400.00	....
142	Perth	4,185	1,193	6,733	33,054	600.00	133.00
143	Peterborough	24,146	7,942	31,285	170,225	2,500 00	5,364.21
144	Petrolia	2,600	963	1,844	6,626	295.00	....
145	Picton	3,439	2,278	9,960	43,494	800.00	....
146	Porcupine-Dome	4,800	1,099	3,903	20,727	480.00	....
147	Port Arthur	21,449	5,650	14,339	102,050	1,562.00	4,439.00
148	Port Carling	600	225	2,821	5,379	225.00	....
149	Port Colborne	6,503	2,364	7,566	28,518	785.00	....
150	Port Elgin	1,306	572	5,392	8,938	229.16	....
151	Port Hope	4,300	1,817	11,419	26,335	750.00	199.00
152	Port Perry	1,100	699	4,051	8,449	175.00	....
153	Port Rowan	659	248	2,658	3,248	80.00	....
154	Prescott	2,925	1,234	12,784	25,411	444.00	241.00
155	Preston	6,422	2,261	10,391	66,372	780.00	534.25
156	Renfrew	5,322	2,860	14,945	52,221	729.12	138.00
157	Richmond Hill	1,250	850	5,165	7,957	243.00	....
158	Rittenhouse	500	271	2,635	3,264	....	....
159	St. Catharines	27,647	10,120	33,290	273,379	2,304.93	6,167.93
160	St. Edmunds	595	323	1,866	4,984	52.50	....
161	St. Jacob's	585	351	2,067	3,428	179.20	....
162	St. Mary's	4,017	2,053	7,944	11,677	679.00	....
163	St. Thomas	16,392	6,356	29,287	165,676	1,700.00	3,879.00
164	Saltfleet Twp	6,158	1,874	6,320	30,436	300.00	165.85
165	Sarnia	18,269	9,226	26,077	172,051	2,300.00	3,311.00
166	Sault Ste. Marie	23,908	7,908	19,998	129,976	1,500.00	4,075.38
167	West Branch					Included	in figures of
168	Schreiber	1,131	276	1,382	8,602	150.00	....
169	Seaforth	1,800	365	3,844	11,531	420.00	....
170	Shelburne	1 043	326	6,413	8,843	180.00	....

LIBRARIES

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	Librarian	Assistants						
			$ c.		$ c.	$ c.	$ c.	
110	....	....	350.00	.50	145.25	318.29	971.69	7
111	....	....	800.00	.57	138.00	298.26	935.52	24
112	....	....	1,600.00	.53	133.25	821.08	2,299.59	37½
113	....	....	1,200.00	.31	131.19	612.41	1,327.38	10
114	1	1	5,200.00	.72	197.81	1,645.13	5,671.91	33
115	....	....	600.00	.42	74.14	84.53	745.97	8
116	1	3	10,459.72	.55	396.05	3,656.67	13,583.19	103½
117	Main	Library						
118	1	....	7,800.00	.50	209.00	2,505.91	8,660.03	33
119	....	....	700.00	.64	115.93	266.50	931.58	8
120	....	....	500.00	.70	54.24	75.99	518.02	26
121	1	....	2,100.00	.55	183.78	359.16	2,732.43	39
122	....	....	62.39	.31	37.01	91.77	170.88	6
123	....	....	150.00	.29	50.56	133.09	245.04	6½
124	....	....	2,000.00	.72	143.40	432.42	2,113.36	34½
125	1	1	4,400.00	.49	204.00	1,017.75	5,148.93	35
126	1	2	9,500.00	.38	209.00	2,648.16	10,226.17	66
127	....	16	71,486.22	.50	825.34	14,273.19	75,684.19	272½
128								
129								
130	Main	Library						
131								
132								
133	....	....	225.77	.08	48.66	70.87	283.87	15
134	....	2	6,000.00	.44	209.00	5,033.07	10,674.54	48
135	....	....	300.00	.38	56.75	28.23	416.84	13½
136	....	....	1,080.00	.76	96.64	179.50	1,888.54	38½
137	....	....	2,100.00	.48	153.25	688.87	2,540.66	37
138	....	....	526.27	.52	102.29	188.46	782.37	18
139	....	....	1,300.00	.36	99.00	867.72	1,703.54	14
140	1	....	3,000.00	.28	209.00	985.88	3,126.45	25½
141	....	....	1,300.00	.32	131.97	284.17	1,464.42	10½
142	....	....	2,300.00	.54	154.25	954.77	2,867.92	33
143	1	3	12,500.00	.51	209.00	2,217.15	14,120.34	72
144	....	....	683.00	.26	118.86	253.84	889.48	30
145	1	....	3,070.00	.89	209.00	1,044.91	3,206.61	37½
146	....	....	1,600.00	.33	101.25	429.16	1,810.67	10½
147	1	1	14,400.00	.67	209.00	3,012.20	14,760.50	72
148	....	....	526.10	.87	42.40	105.83	467.87	8
149	....	....	1,919.22	.29	148.25	730.46	2,140.32	29
150	....	....	832.00	.63	121.75	290.56	1,362.01	25
151	1	1	2,000.00	.46	204.00	587.96	2,543.45	41
152	....	....	700.00	.63	63.50	127.51	1,362.32	16
153	....	....	300.00	.45	116.54	144.63	405.63	6
154	....	1	1,425.00	.48	193.37	409.75	1,683.14	12
155	....	....	3,200.00	.49	159.00	988.33	3,546.06	36
156	....	....	2,661.00	.50	159.00	696.94	3,134.54	15
157	....	....	460.54	.36	118.19	205.65	546.41	7
158	....	....	100.50	.20	79.50	169.27	208.16	2
159	....	3	15,103.00	.54	209.00	4,742.09	25,249.16	63
160	....	....	130.00	.22	37.51	53.05	143.32	4
161	....	....	300.00	.51	71.09	109.42	609.57	10
162	....	....	1,700.00	.42	146.25	399.25	2,053.08	29½
163	1	3	11,146.20	.68	209.00	3,792.21	12,672.10	66
164	....	....	2,400.00	.38	114.37	379.01	1,174.65	37
165	1	1	12,000.00	.65	209.00	3,257.23	12,617.95	66
166	1	3	12,000.00	.50	331.37	3,857.29	12,791.40	100½
167	Main	Library						
168	....	....	290.00	.25	120.47	107.42	399.71	71
169	....	....	952.23	.52	104.24	228.16	1,238.61	32½
170	....	....	700.00	.67	134.75	267.29	922.34	12

FREE PUBLIC

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Salary paid Librarians	Salaries paid Permanent Assistants
						$ c.	$ c.
171	Simcoe	6,050	2,944	14,754	57,048	800.00	316.75
172	Smith's Falls	8,000	2,833	12,971	39,204	900.00	159.00
173	South River	850	225	1,389	3,523	50.00	....
174	Springfield	400	161	2,624	3,385	100.00	....
175	Stayner	1,000	334	2,138	5,321	100.00	....
176	Stirling	935	592	5,577	10,098	324.60	....
177	Stouffville	1,160	654	6,662	11,313	350.00	....
178	Stratford	17,384	6,391	30,045	161,666	1,091.66	2,389.32
179	Strathroy	2,917	890	6,985	16,246	600.00	....
180	Streetsville	630	346	3,320	11,707	216.00	....
181	Sudbury	31,000	3,000	6,922	49,421	1,500.00	1,625.00
182	Sundridge	600	194	1,927	2,461	40.00	....
183	Sutton	806	492	4,375	5,349	130.00	....
184	Swansea	5,500	820	6,627	23,497	490.00	105.00
185	Tara	500	128	3,058	3,622	166.00	....
186	Tavistock	1,150	309	6,697	8,067	234.00	....
187	Teeswater	842	150	6,295	4,337	199.98	....
188	Thamesville	834	245	3,920	8,276	170.00	....
189	Thorold	5,000	780	7,581	21,071	600.00	360.00
190	Tilbury					No An	nual Report
191	Tillsonburg	3,945	1,830	7,576	34,467	660.00	63.00
192	Timmins	25,119	8,672	17,714	108,040	1,380.00	2,378.00
193	Toronto, Main	647,803	181,754	609,730	4,229,824	6,000.00	242,309.62
194	Beaches Branch						
195	Boys and Girls Branch						
196	Danforth Branch						
197	Deer Park Branch						
198	Bloor-Gladstone Br.						
199	Downtown Branch						
200	Earlscourt Branch						
201	Eastern Branch						
202	Gerrard Branch					Included	in figures of
203	High Park Branch						
204	Northern Branch						
205	Queen-Lisgar Branch						
206	Riverdale						
207	Runnymede Branch						
208	Western Branch						
209	Wychwood Branch						
210	Yorkville Branch						
211	Trenton	6,843	3,702	12,770	52,673	1,049.96	675.00
212	Uxbridge	1,325	342	7,591	11,416	80.83	....
213	Walkerton	2,400	742	10,285	21,067	600.00	....
214	Wallaceburg	4,644	2,178	7,041	35,526	625.00	450.00
215	Waterford	1,200	420	2,383	9,160	260.00	....
216	Waterloo	8,425	2,783	16,864	65,243	1,300.00	876.28
217	Watford	976	450	5,661	11,167	300.00	....
218	Welland	11,072	2,900	13,603	72,326	1,200.00	684.00
219	Weston	5,080	4,044	10,953	60,735	1,080.00	600.00
220	Whitby	3,863	1,535	8,171	19,731	500.00	....
221	Windsor, Carnegie	104,000	27,119	85,538	603,737	2,500.00	23,736.27
222	Willistead Branch						
223	Jn. Richardson Br.						
224	Hugh Beaton Branch						
225	Sandwich Branch					Included	in figures of
226	Prince Edward Branch						
227	Victoria Ave. Branch						
228	J. E. Benson Branch						
229	Wingham	2,123	998	8,815	12,211	480.00	....
230	Woodstock	11,418	3,449	23,100	97,357	960.00	1,466.26
	Totals	2,034,480	647,793	2,710,080	13,456,531	120,133.16	462,548.52

LIBRARIES

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	Librarian	Assistants						
			$ c.		$ c.	$ c.	$ c.	
171	1	....	3,000.00	.49	209.00	1,281.59	5,791.27	16¼
172	....	....	3,500.00	.43	159.00	919.43	4,226.40	42
173	....	....	150.00	.17	65.50	124.15	219.06	2
174	....	....	75.00	.18	43.24	56.12	189.96	6
175	....	....	300.00	.30	87.56	154.30	426.13	16
176	....	....	499.40	.53	166.96	335.40	841.22	17
177	....	....	560.00	.48	94.99	133.17	828.50	32
178	....	1	8,692.00	.50	209.00	2,348.96	9,932.89	66
179	....	....	1,000.00	.34	112.00	486.42	1,333.95	32
180	....	....	300.00	.47	116.22	151.41	516.63	12
181	1	....	5,775.00	.18	209.00	1,445.88	9,340.80	48½
182	....	....	90.44	.15	44.02	82.15	136.71	4
183	....	....	400.00	.49	39.09	116.94	444.28	7
184	....	....	900.00	.16	99.00	386.06	1,022.03	10
185	....	....	275.00	.55	49.66	63.70	381.95	23
186	....	....	660.00	.57	112.84	206.18	997.76	20
187	....	....	631.50	.75	48.44	180.88	603.05	24
188	....	....	250.00	.30	106.07	165.52	416.88	23
189	....	....	2,400.00	.48	146.82	331.52	2,547.04	27½
190	for	1938						
191	....	....	1,600.00	.40	134.66	470.00	2,100.00	27½
192	....	1	10,900.00	.43	209.00	3,111.80	11,118.67	48
193	1	144	520,266.00	.80	2,418.80	67,022.94	495,579.28	698
194								
195								
196								
197								
198								
199								
200								
201								
202	Main	Library						
203								
204								
205								
206								
207								
208								
209								
210								
211	....	....	3,000.00	.43	159.00	1,110.30	3,791.33	25
212	....	....	500.00	.37	144.75	325.08	832.43	111
213	....	....	1,200.00	.50	131.10	582.96	1,975.81	29½
214	....	....	2,322.00	.50	145.97	793.06	3,018.93	69
215	....	....	600.00	.50	77.69	184.30	640.99	13
216	1	....	4,633.75	.55	209.00	1,053.61	5,222.03	30
217	....	....	635.00	.65	98.53	170.52	911.33	31
218	....	....	5,600.59	.50	154.25	1,619.97	6,031.72	30
219	1	....	2,675.00	.52	187.75	449.01	2,959.94	25
220	....	....	1,926.76	.50	135.25	655.75	2,167.10	32½
221	1	9	52,000.00	.50	1,006.53	12,076.47	54,750.91	221½
222								
223								
224								
225	Main	Library						
226								
227								
228								
229	....	....	1,000.00	.47	151.02	313.00	1,213.45	27½
230	....	1	5,691.00	.49	209.00	1,639.32	6,465.82	61
	34	247	1,191,644.88	....	29,133.24	244,388.62	1,269,626.62	....

ASSOCIATION PUBLIC LIBRARIES

Showing Statistics, 1938, and Legislative Grants Paid in 1939

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Hours	Legislative Grant	Amount Expended on Books	Total Expenditure
							$ c.	$ c.	$ c.
1	Agincourt	500	158	4,515	6,393	4	130.68	239.64	375.92
2	Allenford		No	annual	report for	1938			
3	Alliston	1,400	131	2,709	4,230	15	20.00	31.60	267.42
4	Alton	500	30	3,734	769	2	16.40	34.53	83.83
5	Alvinston	650	120	1,627	4,766	11½	38.95	2.00	297.08
6	Apple Hill	400	68	1,421	983	2	31.96	33.87	74.74
7	Arkona	400	47	3,301	3,571	5	49.79	54.72	191.91
8	Athens	700	200	5,021	2,881	3	34.99	130.20	188.13
9	Atwood	350	80	934	1 236	84	32.24	19.56	101.16
10	Auburn	250	61	2,120	1,514	4	29.73	36.56	171.44
11	Badjeros		No	annual	report for	1938			
12	Bala	400	92	1,674	582	10	28.99	55.80	206.00
13	Bancroft	1,050	224	4,480	11,979	8	119.00	282.35	492.92
14	Bayfield	400	94	1,827	2,030	78	31.84	41.58	131.80
15	Bayham	100	30	997	512	69	22.50	43.09	94.68
16	Baysville	390	49	1,958	1,923	2	18.99	35.51	72.46
17	Beachville	500	34	2,813	1,919	4	14.00	8.00	158.00
18	Beechwood	970	33	2,710	749	54	27.83	48.67	81.57
19	Belmore	150	30	360	449	52	10.00	10.00	49.00
20	Belwood	200	32	3,624	937	14	19.76	26.27	110.20
21	Birch Cliff	1,893	117	2,975	6,471	3½	56.77	109.68	200.63
22	Blenheim	1,650	170	7,744	9,559	22	68.44	157.78	1,148.68
23	Blind River	2,700	211	2,842	6,716	4	80.35	140.34	218.38
24	Bloomfield	653	143	3,578	7,394	4½	111.79	201.63	457.26
25	Blyth		No	annual	report for	1938			
26	Bobcaygeon	985	163	4,602	6,008	10	97.95	113.94	330.39
27	Bolton	582	39	4,395	2,273	2½	14.89	89.55	128.84
28	Bond Head	200	31	664	742	19	13.80	27.00	51.70
29	Bowmanville	4,000	366	8,865	17,988	33	146.70	335.03	938.02
30	Bradford	1,000	71	3,085	5,169	8	22.33	37.96	115.89
31	Brigden	500	179	728	1,372	6	24.80	19.26	103.23
32	Bronte	500	35	1,687	1,567	1	28.56	64.99	83.01
33	Brooklin	500	72	3,053	3,088	10	38.12	68.39	180.24
34	Brougham	200	48	1,560	1,790	72	11.25	2.00	37.75
35	Brown's Corners	350	44	1,258	1,315	2	10.94	20.15	80.03
36	Brownsville	250	100	1,944	3,714	4½	39.04	22.71	174.82
37	Brucefield	300	37	1,956	615	19	11.22	14.99	59.99
38	Burgessville	225	45	2,111	1,586	6	15.00	15.00	144.02
39	Burlington	3,500	333	6,069	24,037	8	116.75	393.87	871.12
40	Byron	450	72	611	2,822	3	27.58	38.51	61.60
41	Caledon	300	31	3,488	429	2	9.00	....	60.62
42	Caledonia	1,250	94	1,302	1,518	4	27.00	54.80	87.50
43	Callander	1,200	64	1,671	2,821	6	20.82	43.81	50.99
44	Cambray	2,700	37	3,808	2,000	7	13.30	10.99	56.32
45	Camden East	200	74	2,215	1,912	2	35.64	45.44	115.11
46	Canfield	720	30	879	4,618	78	9.00	....	21.56
47	Cannington	790	62	4,280	5,775	15	52.36	31.01	195.59
48	Cargill	170	37	3,723	1,171	4	10.00	14.25	92.75
49	Carlisle	....	30	1,216	1,190	78	40.33	48.17	106.70
50	Castleton	500	33	675	945	2	10.00	25.00	54.06
51	Chapleau	2,200	145	2,825	6,960	6	49.77	87.42	265.61
52	Chatsworth	320	50	1,688	2,696	66	10.00	21.26	88.66
53	Cheapside	200	58	3,207	1,978	20	10.00	36.25	63.40
54	Chesterville	1,010	50	1,178	907	2	15.00	19.84	130.99
55	Claremont	471	45	3,686	1,298	12	56.40	58.77	164.10
56	Clarksburg	400	92	4,516	3,679	21½	83.63	201.98	414.23
57	Clarkson	1,500	115	1,585	2,500	2¾	14.53	15.89	17.24
58	Claude	50	32	3,154	72	....	7.45	10.99	16.53
59	Cobourg	5,500	406	6,666	20,901	16	111.03	359.15	1,083.33

ASSOCIATION PUBLIC LIBRARIES

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Hours	Legislative Grant	Amount Expended on Books	Total Expenditure
							$ c.	$ c.	$ c.
60	Cochrane...........	3,000	92	7,732	7,659	6½	61.74	92.89	259.86
61	Colborne............	1,000	165	2,491	10,613	12	56.91	81.00	269.67
62	Coldstream..........	100	33	2,549	745	80	43.00	16.15	107.90
63	Coldwater...........	650	139	2,329	3,883	24	129.00	247.25	394.10
64	Comber..............	600	62	4,552	3,589	8½	87.04	112.44	342.67
65	Coniston............	1,600	90	1,893	1,029	6½	54.76	66.72	135.86
66	Cookstown..........	550	....	2,271	....	4	10.00	....	28.12
67	Copper Cliff.........		No	annual	report for	1938			
68	Cottam..............	300	106	2,746	2,126	8	35.96	48.01	158.24
69	Courtright..........	320	228	1,080	7,834	66	40.55	44.61	139.28
70	Creemore...........	617	50	1,332	3,019	7	10.00	....	92.79
71	Delta................	400	68	1,743	1,688	16	15.00	5.08	77.63
72	Depot Harbour......	350	80	3,498	2,983	1	87.77	74.01	109.02
73	Dorchester..........	500	122	2,693	4,217	21	27.68	81.99	196.89
74	Drumbo.............	500	45	5,232	1,829	11½	15.00	....	127.40
75	Dundalk.............	650	74	2,555	2,283	60	33.86	51.59	155.39
76	Dungannon.........	500	60	2,929	6,114	54	63.13	114.05	175.52
77	Dunnville...........	3,984	343	8,377	14,008	20½	95.76	251.22	731.35
78	Dutton..............	800	197	5,482	9,312	14	116.87	278.94	714.00
79	East Linton.........		No	annual	report for	1938			
80	Elk Lake...........	600	61	301	577	2	35.01	66.01	85.45
81	Elmwood...........	250	123	2,702	2,219	6	38.49	47.34	117.44
82	Embro..............	450	48	5,215	6,566	6	22.05	29.75	140.12
83	Emo................	1,186	22	1,378	691	72	52.89	60.46	95.85
84	Englehart...........	1,250	42	1,118	1,918	2	17.55	36.60	59.78
85	Ennotville..........	600	60	4,612	851	2	42.43	55.69	165.59
86	Espanola...........	1,400	200	4,467	3,032	2	25.00	40.06	92.49
87	Ethel...............	300	51	1,495	1,118	13	29.29	17.43	129.16
88	Fenwick............	2,850	86	2,821	5,367	6½	15.00	....	130.74
89	Fordwich...........	500	66	1,087	3,656	10	20.40	53.08	128.50
90	Forester's Falls......	835	30	2,688	1,432	70	15.43	30.00	81.00
91	Frankford...........	800	202	3,369	5,874	8	101.44	122.23	316.39
92	Fulton..............		No	annual	report for	1938			
93	Glamis.............	100	33	1,006	1,104	8	18.17	26.62	74.93
94	Glanworth..........	500	65	2,463	2,507	6	52.58	68.38	161.00
95	Glen Allan..........	700	64	1,689	2,852	54	11.76	27.27	78.77
96	Glen Morris.........	200	35	3,297	950	72	32.46	27.78	141.95
97	Goodwood..........		Organiz	ed August	12th 1939				
98	Gore's Landing......	200	66	2,424	725	1½	56.57	83.14	124.87
99	Gorrie..............	300	36	1,744	1,757	6	10.00	19.16	57.44
100	Grafton.............	200	68	2,756	2,773	7	35.15	100.75	166.28
101	Granton............	450	64	691	3,563	72	14.60	44.92	115.42
102	Haliburton..........		No	annual	report for	1938			
103	Harrietsville.........	90	50	3,124	1,974	60	34.82	50.28	111.52
104	Harrington..........	100	35	2,733	1,379	54	26.79	41.17	83.01
105	Harrow.............	1,032	79	2,769	4,513	9	43.37	121.13	423.46
106	Harrowsmith........	250	31	1,069	2,207	2	15.50	....	55.10
107	Havelock...........	1,300	59	440	934	4	10.00	39.04	41.67
108	Hawkesbury.........	6,050	50	327	3,450	12	139.85	227.29	266.99
109	Hepworth...........	300	44	877	914	11½	11.45	7.00	73.88
110	Hickson............	250	190	1,797	2,728	6	62.62	96.75	172.39
111	Highgate...........	600	149	2,456	4,325	21	97.60	166.11	418.39
112	Highland Creek......	940	44	2,065	588	1½	5.00	....	18.00
113	Hillsdale...........	300	20	2,619	936	4	25.00	....	38.86
114	Hilton Beach........	390	101	2,605	2,566	6	25.25	53.89	219.00
115	Holstein............	300	31	2,467	1,618	84	10.00	7.60	52.85
116	Honeywood.........	100	46	1,396	373	84	20.94	21.89	53.18
117	Humber Bay........	2,300	155	2,901	3,680	2	37.32	57.53	75.23

ASSOCIATION PUBLIC LIBRARIES

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Hours	Legislative Grant	Amount Expended on Books	Total Expenditure
							$ c.	$ c.	$ c.
118	Huntsville..........	2,751	157	3,918	5,959	12	39.88	130.47	536.43
119	Hyde Park..........	200	39	248	1,151	5	10.75	.50	34.44
120	Hyndford..........	400	62	2,178	2,163	19	45.29	25.81	112.81
121	Ilderton............	500	65	1,983	4,464	14	91.65	136.67	358.27
122	Inglewood..........	250	33	1,660	2,407	2	21.03	58.40	79.10
123	Inwood............	205	98	1,751	2,317	11	15.00	....	142.82
124	Iroquois............	1,000	59	2,963	1,281	6	33.00	45.62	182.22
125	Iroquois Falls.......	1,391	164	5,697	9,884	7½	96.69	314.16	721.60
126	Ivanhoe...........	550	30	892	1,280	70	33.66	50.39	90.89
127	Jarvis.............	560	97	4,155	3,488	9	20.22	53.40	166.93
128	Kars...............	300	34	2,223	1,773	5	6.54	15.86	31.07
129	Kearney............	286	51	1,050	4,000	2	10.00	23.45	46.10
130	Kemble............	250	55	2,034	1,601	3	15.00	23.80	104.87
131	Kimberley..........	375	35	598	225	2	5.00	....	9.88
132	Kinsale............	100	50	1,159	1,097	2¾	38.85	88.45	103.88
133	Kintore............	300	63	2,937	4,012	74	100.06	90.12	182.34
134	Kirkfield...........	200	124	2,047	3,290	19	53.24	92.74	108.29
135	Kirkland Lake.......	20,000	1,142	5,395	42,019	32½	154.00	1,281.90	3,367.22
136	Kirkton.............	180	131	1,910	4,069	27	56.43	72.86	255.96
137	Komoka............	200	39	2,131	1,590	72	15.00	4.68	119.54
138	Ladeside...........	2,000	38	1,909	4,871	84	60.55	99.45	169.22
139	Lambeth............	500	65	2,236	2,233	8	19.00	....	184.81
140	Lefroy.............	500	40	1,999	1,295	4	14.90	23.88	43.56
141	Linwood...........	500	50	903	1,644	5½	24.76	51.97	100.90
142	Londesborough......	150	30	550	1,425	76	16.08	30.48	59.84
143	Lorne Park.........	900	25	2,085	752	2	12.65	27.17	55.61
144	Lucan.............	615	91	2,227	2,599	8½	53.95	30.18	329.94
145	Madoc.............	1,000	159	4,772	9,777	8½	20.00	50.00	282.53
146	Mandaumin.........	400	52	2,459	6,268	3	54.85	58.86	191.12
147	Manilla............	200	121	6,767	2,109	19	97.08	100.08	239.18
148	Manitowaning.......		Organized April 6th 1939						
149	Manotick..........	1,000	45	2,205	1,900	4½	11.37	40.00	78.50
150	Markham..........	1,100	83	3,949	3,404	6	31.94	92.80	344.05
151	Marmora..........	1,000	476	3,937	12,155	12	115.37	272.80	673.43
152	Martintown........	600	40	1,579	320	5	11.81	....	38.36
153	Maxville...........	758	41	1,391	1,296	4	22.32	61.00	62.75
154	Maxwell............		No annual report for 1938						
155	Melbourne..........	200	62	1,534	1,645	8	15.00	....	85.45
156	Mildmay............		No annual report for 1938						
157	Millbank...........	500	35	1,768	816	3	25.36	26.42	133.20
158	Millgrove...........	150	30	1,537	612	1½	14.02	21.83	24.38
159	Minden.............	300	33	2,566	979	2	21.34	24.69	76.98
160	Monkton...........	400	31	1,781	1,726	6	10.00	....	63.72
161	Mono Road.........	105	46	3,078	1,601	4	13.74	30.69	107.09
162	Moorefield..........	276	37	1,085	1,010	69	15.00	....	77.66
163	Morrisburg..........	1,500	119	4,605	5,593	8	74.49	95.32	416.77
164	Morriston...........	200	54	2,285	1,376	54	15.55	54.10	103.73
165	Mount Albert.......	600	66	2,212	2,989	10½	19.48	31.65	175.60
166	Mount Brydges......		No annual report for 1938						
167	Mount Elgin........	130	61	1,315	1,690	4	22.58	30.71	108.26
168	Nanticoke..........		No annual report for 1938						
169	Napanee............	3,416	273	7,984	18,905	28	137.50	478.27	1,679.76
170	Napier.............	150	31	925	1,186	86	24.70	33.73	53.69
171	Newburg...........	420	50	3,226	2,930	4	22.46	50.29	108.98
172	Newbury...........	260	51	1,726	1,794	7	18.46	25.46	73.89
173	New Dundee........	350	78	1,708	4,058	64	42.85	22.53	101.40
174	Newington...	235	33	2,185	1,759	2	71.05	32.87	123.16

ASSOCIATION PUBLIC LIBRARIES

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Hours	Legislative Grant	Amount Expended on Books	Total Expenditure
							$ c.	$ c.	$ c.
175	New Lowell	200	53	1,139	1,045	4	17.09	21.61	64.65
176	Norland............	359	165	3,666	2,271	82	10.00	17.50	52.00
177	North Gower........	350	47	1,672	3,081	24	36.93	52.00	138.24
178	Odessa..............	700	31	1,668	1,500	73	26.75	....	127.59
179	Omemee............	600	58	1,850	2,376	6	52.92	34.73	195.85
180	Orono..............	500	78	2,681	4,764	8	26.72	98.13	130.18
181	Osgoode............	800	90	1,622	5,142	2	16.61	57.80	99.63
182	Palermo............		No annual report for 1938						
183	Park Head..........	150	40	1,158	1,063	78	14.42	23.10	65.86
184	Pickering...........	600	109	2,706	1,787	11	54.61	58.36	220.23
185	Pinkerton...........	....	30	2,071	604	4	10.00	....	64.92
186	Plattsville...........	500	156	1,120	2,676	21	15.00	....	126.64
187	Plympton...........	340	20	3,956	1,581	3	31.00	32.00	105.92
188	Point Edward.......	1,200	72	4,529	3,835	4	44.71	82.51	214.12
189	Port Burwell........		Organized May 3rd 1939						
190	Port Credit..........	1,500	369	5,911	7,482	5	49.82	136.04	281.70
191	Port Dalhousie......	1,500	92	1,700	1,340	7	35.72	3.95	64.93
192	Port Dover..........	1,600	196	4,258	9,425	27	116.38	221.90	539.50
193	Port Lambton.......	1,000	30	1,009	3,058	72	25.90	37.27	116.42
194	Port Stanley........	750	159	3,390	4,881	16½	20.00	....	274.46
195	Powassan...........	800	47	2,378	1,940	8	72.99	22.50	89.40
196	Princeton...........	350	47	2,541	4,519	5	74.26	106.05	237.08
197	Queensville..........	300	23	2,193	1,675	5	11.26	19.10	61.20
198	Rebecca............	150	39	851	2,325	84	44.65	103.10	141.25
199	Ridgetown..........	1,980	228	5,352	13,048	12	131.54	343.15	619.53
200	Ridgeway...........	1,000	248	3,935	4,101	7	120.00	240.25	453.92
201	Riverside...........		Organized October 13th, 1939						
202	Rockland...........		Organized November 29th 1939						
203	Rodney.............	792	143	2,372	5,138	8	63.67	89.35	225.41
204	Romney............	1,456	69	5,254	2,802	78	50.54	73.16	148.73
205	Rossdale............	150	47	1,771	3,889	42	30.47	75.26	183.36
206	St. George..........	600	104	7,604	2,579	66	45.32	93.06	254.03
207	St. Helens...........	200	22	2,784	618	2	19.46	36.40	70.77
208	Scarborough.........	400	43	7,231	1,825	2B.M	57.70	106.73	160.07
209	Schomberg..........	300	35	774	2,128	2	13.63	27.85	75.47
210	Scotland............	400	79	2,594	1,466	18	15.34	9.45	136.52
211	Shedden............	400	35	2,960	1,292	4	15.00	25.00	148.36
212	Sheguiandah........	200	37	713	815	72	16.20	9.40	41.07
213	Shetland............	300	41	1,822	3,103	13	13.25	7.83	93.90
214	Singhampton........	401	30	495	305	84	10.00	3.15	17.75
215	Smithville...........	600	57	2,551	1,591	10	28.23	57.95	201.53
216	Solina..............	300	15	1,125	422	6	20.47	28.71	34.21
217	Sombra.............	400	32	1,440	344	63	27.64	18.29	153.26
218	Southampton........	1,935	229	7,295	3,873	6	65.71	220.67	329.73
219	South Mountain.....	250	52	1,102	3,150	78	10.00	....	48.70
220	South Woodslee......	250	36	1,416	1,998	4	25.37	43.72	145.32
221	Sparta..............	250	43	1,406	1,669	78	11.75	....	88.58
222	Sprucedale..........	275	25	1,079	1,580	1	11.58	21.82	53.27
223	Stevensville.........	400	42	1,681	809	4	15.00	11.08	149.47
224	Strathcona..........	350	73	2,386	941	2	41.62	43.25	75.90
225	Stratton............	123	38	1,078	1,600	2½	27.25	64.82	159.21
226	Sunderland..........	438	93	2,364	2,361	4	15.63	67.65	121.06
227	Sydenham..........	650	67	3,162	4,769	12	78.96	94.93	363.95
228	Thamesford.........	500	125	812	6,208	6	61.67	113.19	259.86
229	Thedford...........	600	86	2,229	6,710	11	60.81	92.65	202.32
230	Thessalon...........	1,718	89	964	4,921	6	9.00	140.71	307.94
231	Thornbury..........	800	32	3,164	5,441	16	130.32	251.14	645.05

ASSOCIATION PUBLIC LIBRARIES

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Hours	Legislative Grant	Amount Expended on Books	Total Expenditure
							$ c.	$ c.	$ c.
232	Thorndale..........	300	34	2,298	1,719	12½	15.00	19.05	157.94
233	Thornhill..........	700	79	1,036	2,672	5	63.64	97.29	126.39
234	Thornton..........	250	10	220	10	8	20.00	32.09	36.08
235	Tiverton..........	250	65	2,457	3,988	4	15.00	43.31	128.08
236	Tottenham..........	557	81	2,928	2,114	10	28.04	57.73	208.62
237	Tweed..........	1,350	60	4,045	3,713	5½	43.17	68.13	327.28
238	Underwood..........	300	41	2,326	2,393	71	25.34	86.45	162.55
239	Unionville..........	600	88	2,795	3,925	2	65.98	104.73	241.21
240	Vankleek Hill..........	1,600	61	1,379	2,646	9	50.83	97.35	253.96
241	Varna..........	500	31	1,581	1,207	14	45.47	80.60	129.24
242	Victoria..........	....	38	3,662	763	3	15.00	39.73	220.06
243	Victoria Road..........	250	10	900	500	14	....	....	27.50
244	Vittoria..........	250	167	509	3,327	68	79.75	116.51	192.82
245	Wardsville..........	245	29	2,927	3,424	6	18.41	20.80	127.59
246	Warkworth..........	500	73	2,504	3,771	8	18.99	53.78	149.89
247	Waterdown..........	940	53	1,998	2,921	6	33.49	88.98	177.67
248	Wellburn..........	254	51	646	907	2	18.81	27.34	58.10
249	Wellesley..........	445	64	2,928	2,277	3½	41.00	73.01	195.33
250	Wellington..........	900	175	3,447	9,756	11½	48.08	178.08	567.99
251	West Lorne..........	800	55	2,195	3,194	5	39.11	51.64	177.58
252	White Lake..........	90	18	996	412	42	10.00	14.45	14.45
253	Whitevale..........	250	62	1,729	1,917	3	33.25	73.54	207.95
254	Wiarton..........	1,723	130	4,411	3,460	25½	81.16	107.99	434.51
255	Williamstown..........		No	annual	report for	1938			
256	Winchester..........	1,040	71	2,877	4,545	9	16.81	27.39	130.05
257	Woodbridge..........	800	78	3,697	4,537	1	20.28	55.00	109.51
258	Woodville..........	425	75	2,399	1,250	15	26.23	25.63	186.63
259	Wroxeter..........	400	57	5,865	1,801	3½	11.00	....	74.05
260	Wyoming..........	530	334	3,356	10,814	58	116.93	190.82	396.08
261	Zephyr..........	650	36	2,133	1,050	2½	10.00	28.41	72.08
	Library Associations								
262	Elgin County..........	....	....	631	5,049	......	120.00	345.38	392.17
263	Lambton County..........	....	....	4,716	37,554	......	750.00	849.99	1,571.85
264	Middlesex County..........	....	....	2,703	18,576	......	400.00	881.14	1,092.86
265	Oxford County..........	....	....	487	4,672	......	128.18	188.93	220.98
266	Howick Township..........	....	....	843	7,000	......	35.30	139.93	147.99
	Totals..........	193,602	21,080	637,789	898,184	......	10,882.53	19,714.03	51,517.20

Note:—County and Township Library Association fees have not been included in the column under "Amount expended on books".

APPENDIX L

REPORT OF THE PROVINCIAL SUPERVISOR OF MUSIC

The progress of Music in the schools of Ontario during 1939 has been gratifying. Statistics attached to this report show that 11,757, or 68 per cent., of the Public and Separate School classrooms were receiving regular Music instruction under the supervision of qualified teachers. This represents an increase of 1,028 rooms over last year. Many other rooms participate in singing under the leadership of their own teachers. Two hundred and sixty-one secondary schools provided a course in Music, an increase of 140 over last year. Twenty additional secondary schools provided a course in Music, but failed to qualify for special grants.

Music Festivals.—Music festivals have been held in many parts of the Province, eight of a total of nearly sixty being conducted for the first time in the spring of 1939. These festivals have greatly stimulated the teaching of music in the schools, and have given the public an opportunity to judge the progress of music through the performance of the children.

Radio.—Four radio programmes have been sponsored by the Department of Education. In April, part of the Easter Concert of the Ontario Educational Association was broadcast over the Canadian network, and in December, three programmes of Christmas Music were given by the schools of Hamilton, Toronto, and London. These were heard over the entire Canadian network of the CBC, and the Columbia chain in the United States.

The Department of Education again gave active support to the Ontario Educational Association in presenting an evening concert at Massey Hall, Toronto, on the Wednesday after Easter. The programme was supplied by the Ontario Secondary School Orchestra, under Eldon J. Brethour, B.A., Toronto; the Ontario Secondary School Choir under Harry Hill, Bac.Mus.Ed., Kitchener; and the Ontario Elementary School Choir under Frank Cheesman, Mus.Bac., Guelph. Approximately five hundred children from all parts of the Province participated.

Teacher Training.—The Summer Courses in Music at Toronto and London offered seven regular courses, with an attendance considerably larger than that of previous years. Comparative attendance figures are as follows:

Year	Toronto	London	Total
1935	264	145	409
1936	362	191	553
1937	481	238	719
1938	614	356	970
1939	597	413	1,010

Publications.—During the year the following pamphlets were prepared and distributed:

School Music in Ontario—A Catechism for Inspectors.
Syllabus of the Summer Courses in Music (Revised).
Course of Study in Music, Grades IX-XII (Revised).
List of Songs for Wartime Use.
High School Music Appreciation Units.
A Suggested Course in Music for Rural Schools.

Several new song books and books about Music were added to the recommended list of text-books. Gradually the schools of the Province are becoming less dependent upon outside sources for suitable material in the classroom.

Statistics.—The following statistical information concerns the school year ending June 30th, 1939, and includes only those schools earning special grants for the teaching of Music. Many others make provision for Music, but are not at present qualifying for the grant.

In some parts of the Province redistribution of Inspectorates during the past few years makes it difficult to show the development of Music in those areas.

City Inspectorates	Total No. of Rooms	Rooms with Music				
		1934-35	1935-36	1936-37	1937-38	1938-39
Brantford	101	....	8	9	102	101
Chatham	56	54	55	56	56	56
Hamilton	533	546	546	546	543	533
Kitchener	103	107	107	107	104	103
London	233	210	242	245	241	233
Ottawa	287	286	286	286	285	287
Peterborough	75	76	76	76	76	75
St. Catharines	90	91	91	91	90	90
Sarnia	64	21	10	....	28	64
Toronto	1,982	2,053	2,053	2,053	1,991	1,982
Welland	54	12	12	....	....	54
Windsor	312	315	315	315	312	312
Totals	3,890	3,771	3,801	3,784	3,828	3,890
Percentage of rooms with Music	....	94.5	95	95	97.7	100
County Inspectorates						
Brant and Norfolk	112	38	47	58	61	72
Bruce East, etc.	99	15	26	55	80	89
Bruce West	113	8	31	71	90	109
Carleton	177	40	65	50	57	84
Dufferin	108	68	98	83	87	100
Dundas	100	4	4	5	11	22
Durham (in part), Oshawa	151	....	....	....	....	151
Elgin and St. Thomas	202	25	27	47	52	152
Essex (No. 1)	128	37	20	24	48	65
Essex (No. 2)	127	23	38	47	89	105
Frontenac North, etc.	76	....	....	16	32	33
Frontenac South (No. 1)	90	19	23	35	49	68
Frontenac South (No. 2) and Kingston	103	78	80	80	89	91
Glengarry (in part), etc.	96	....	....	19	41	82
Grey East	111	39	47	67	81	97
Grey North, etc., and Owen Sound	125	72	90	93	109	114
Grey South	117	2	2	52	51	90
Haldimand	113	19	20	35	81	95
Halton	121	82	80	95	100	100
Hastings Centre	103	26	26	27	29	63
Hastings North	85	....	....	....	....	14
Hastings South and Belleville	117	54	58	44	76	101
Huron East	110	25	45	47	48	93

County Inspectorates	Total No. of Rooms	Rooms with Music				
		1934-35	1935-36	1936-37	1937-38	1938-39
Huron West	120	28	28	59	108	108
Kent	174	....	....	....	....	163
Lambton (No. 1)	108	12	12	39	62	72
Lambton (No. 2)	109	20	26	34	71	88
Lanark	189	43	45	71	85	110
Leeds and Grenville (No. 1)	92	45	38	49	51	61
Leeds and Grenville (No. 2)	105	7	7	20	54	69
Leeds and Grenville (No. 3)	96	7	3	8	17	80
Lennox and Hastings South	85	1	1	18	32	31
Lincoln (in part)	117	54	55	84	91	108
Middlesex East, etc.	120	55	66	78	105	108
Middlesex West	121	14	30	41	55	85
Norfolk (in part)	122	72	67	77	89	94
Northumberland and Durham (No. 1)	116	....	....	....	....	114
Northumberland and Durham (No. 2)	113	50	71	77	101	110
Ontario North, etc.	102	29	27	50	42	56
Ontario South	100	56	56	62	50	70
Oxford North and Woodstock	111	46	49	90	105	108
Oxford South, etc.	114	56	74	88	109	109
Peel	126	114	100	102	138	97
Perth North, etc.	110	49	73	90	95	103
Perth South and Stratford	119	90	93	91	99	111
Peterborough East	99	46	66	64	77	75
Peterborough West, etc.	97	22	26	55	65	67
Prescott and Russell (No. 1)	66	....	....	8	28	34
Prescott and Russell (No. 2)	1	....	....	....	....	....
Prescott and Russell (No. 3)	18	....	....	....	....	....
Prescott and Russell (No. 4)	9	....	....	....	....	....
Prince Edward	94	17	29	26	30	59
Renfrew North	116	17	29	18	30	30
Renfrew South	115	12	12	23	23	21
Simcoe Centre	112	....	....	71	85	95
Simcoe East, etc.	123	63	66	36	50	74
Simcoe North	29	....	....	....	17	18
Simcoe South, etc.	114	15	23	64	72	87
Simcoe West, etc.	109	9	11	22	29	38
Stormont	115	....	....	33	38	52
Victoria West	82	45	64	65	67	67
Waterloo (No. 1)	116	84	54	54	67	82
Waterloo (No. 2) and Galt	117	46	76	84	96	85
Welland East and Niagara Falls	126	111	110	97	106	99
Welland South	135	9	13	23	88	101
Welland (in part), etc.	88	23	28	49	84	77
Wellington North	111	21	35	71	65	80
Wellington South and Guelph	125	80	80	84	99	115
Wentworth	137	21	28	38	82	105
York (No. 1)	120	31	35	41	53	69
York (No. 2)	156	63	76	120	133	121
York (No. 3)	156	44	122	122	129	110
York (No. 4)	175	116	105	132	163	120
York (No. 5)	186	44	87	87	176	167
York (No. 6)	188	64	77	86	96	108
Totals	8,488	2,803	3,371	4,295	5,491	6,201
Percentage of rooms with Music	....	33	40	51.5	64.7	73
District Inspectorates						
Division I	102	11	12	26	44	40
" II	107	29	3	37	35	37
" III and Fort William	146	19	108	95	96	97
" IV and Port Arthur	150	25	27	32	76	72
" V and Sault Ste. Marie	134	....	....	57	71	81

District Inspectorates	Total No. of Rooms	Rooms with Music				
		1934-35	1935-36	1936-37	1937-38	1938-39
Division VI	121	7	28	29	35	40
" VII (1) and Sudbury	129	....	....	6	46	89
" VII (2)	18	....	....	....	....	....
" VIII	85	....	8	11	54	65
" IX	155	40	44	82	85	96
" X	172	62	71	....	91	96
" XI	93	....	....	55	23	29
" XII (1) and North Bay	114	50	46	46	44	45
" XII (2)	2	....	....	....	....	....
" XII (3)	29	....	....	....	....	....
" XIII	96	16	16	12	21	25
" XIV	91	....	....	3	18	20
" XV	88	10	10	10	28	58
" XVI	91	....	....	16	16	19
Totals	1,923	269	373	517	783	864
Percentage of rooms with Music	....	15	21	28.6	41.7	45
Separate School Inspectorates						
Division I	126	26	43	24	70	69
" II	142	16	7	7	....	2
" III	125	....	....	27	....	....
" IV	101	....	....	....	....	....
" V	140	....	....	27	18	36
" VI	153	....	....	24	38	3
" VII	124	....	....	....	....	5
" VIII	103	....	....	29	35	31
" IX	146	2	9	34	62	70
" X	159	81	87	101	104	114
" XI	153	4	135	122	109	152
" XII	142	27	31	36	28	45
" XIII and XIV	360	320	324	333	28	30
" XV	133	58	52	62	64	94
" XVI	135	....	5	9	22	72
" XVII	152	....	....	47	49	55
" XVIII	150	....	....	....	....	....
" XIX	125	....	....	....	8	8
" XX	103	....	....	....	....	....
" XXI	112	....	....	....	....	....
" XXII	121	....	....	....	....	....
Totals	3,005	534	693	882	627	792
Percentage of rooms with Music	....	18	24	30	21	26.3
Grand Totals	17,306	7,377	8,238	9,478	10,729	11,757
Percentage of rooms with Music	....	43.2	48.2	55.5	62.2	68

Secondary Schools

	Total No. of Schools	Schools with Music	
		1937-38	1938-39
Collegiate Institutes	71	17	52
High Schools	227	51	94
Continuation Schools	198	53	115
Totals	496	121	261
Percentage of Schools with Music	....	25	53

Respectfully submitted,

G. R. Fenwick,
Provincial Supervisor of Music.

Toronto, January 18th, 1940.

APPENDIX M

REPORT OF THE REGISTRAR OF TRADE SCHOOLS

To the Honourable Dr. L. J. Simpson,
Minister of Education, Province of Ontario.

Dear Sir:

I beg leave to present to you the following report re the operation of the Trade Schools Regulation Act, 1938 since its inauguration.

This Act was passed by The Provincial Legislature in April, 1938 and was to come into force on a day to be named by the Lieutenant-Governor by his Proclamation. Before this date could be fixed it was necessary to establish the Regulations under which the Act was to operate. Months of investigation followed, in which a large number of typical trade schools were visited to ascertain, methods of operation, accommodation available, equipment provided, fees charged, courses of instruction offered, qualifications of the teaching staffs, nature of the advertising used, the employment service supplied, the certificates and diplomas granted, the required achievement of the student to be awarded these certificates and diplomas, the nature of the sales operations employed together with an estimate of the value of the courses offered in relation to the needs of the industrial requirements of the community served.

During this investigation period the public began to learn that such a service department had been established by the Provincial Government and many complaints were received asking for assistance in settling disputes between schools and students. These were investigated and satisfactory adjustments made. Previous to the passing of the Trade-Schools Regulation Act many of these disputes were brought into court and a judge on the bench had no other alternative than to give judgment for the full cost of the claim, in favour of the school, even if the student had been able to complete little if any of the course. There was no method by which the person who had placed his name on the dotted line could be relieved of any part of the total price of the contract. We must make it clear that such troubles did not often occur with the better type of school, but there were many which took advantage of the free franchise existing, and gave little of educational value in return for the large fees collected. The operation of the Act and its accompanying regulations has changed this condition so that if a student finds himself in a position where he must drop the course for any reason whatsoever he may now notify the school in writing that he desires to discontinue the work and his financial obligation ends with the payment for that quarter of the course to which he has advanced at the time the notice is given. This means that if the total cost of the course is $200.00 and he discontinues the work while in the first quarter, his total obligation would be $50.00; if he has reached the second quarter his obligation would be $100.00; if in the third quarter it would be $150.00 and if in the fourth quarter it would be the full fee of $200.00. It is found that most cases of such discontinuance of courses occur in the first quarter of the work. Where questionable methods of selling have been used or misrepresentation made by any salesman or promises made which cannot be fulfilled or other unethical practices resorted to, it is possible to have the full fee returned. During the year thousands of dollars have been returned to students under such circumstances. One school, which used very questionable selling methods, some of which approached very close to blackmail, was required to contact all registered students in Ontario and ask two questions:—(1) Are you satisfied with the course and desire to continue it? (2) Are you dissatisfied with the course and desire to cancel it and if so what terms do you desire? As there were some 600 registered students involved—many of whom were University graduates—this procedure involved huge files of correspondence by the school and the final results had to be transmitted to this Department bearing the signatures of all parties concerned with the settlement. Then before a certificate of registration was issued the salesmen guilty of such unethical conduct, had to be discharged and assurance given that future business would be conducted on proper lines, otherwise immediate cancellation of registration would result.

During this period of investigation extensive correspondence was conducted with other Provinces in Canada and various States abroad, where steps had been taken or were being planned, to eliminate the evils which had crept into the operation of many of these privately operated trade schools. Experiences were secured from Better Business Bureaux, Boards of Trade, Manufacturers Associations and other interested organizations, to assist in framing the necessary regulations.

As a result of these investigations the Regulations under the Trade-Schools Regulation Act were completed and adopted by The Lieutenant-Governor-in-Council, and the Act and these regulations proclaimed to come into force on the second day of January, 1939.

It was soon found that the list of trades as originally designated under clause 2 (b) of the Act was not complete enough to cover the necessary field of operation. Under clause 12 (k) the following additional list was named by the Lieutenant-Governor-in-Council upon recommendation of the Minister of Education:—

Radio and Wireless Communication
Television
Sound Projection and Motion Picture Operation
Air Conditioning and Refrigeration
Electric and Acetylene Welding
Diamond Drilling
Woodworking and Cabinet Making
Machine Shop Practice
Sheet Metal Work
Printing and Bookbinding
Photography
Mechanical Dentistry
Painting and Interior Decoration
Commercial and Industrial Art
Industrial and Business Management
Theoretical and Industrial Electricity.

Theoretical and Industrial Chemistry
Theoretical and Practical Engineering
Broadcasting Practice
Dress and Garment Design
Hand, Machine and Power Machine Sewing Operation
Detective and Secret Service Work
Civil Service Occupations
Business and Office Practice
Advertising
Salesmanship
Journalism and Story Writing
Speech and Oratory
Landscape Gardening
Hotel Management and other Hotel, Cafe and Hostess Training
Pulp and Paper Making
Dairy, Poultry and other Farm Work

In the meantime lists of schools, with addresses, which would be included as coming under the Act and which evidence showed had been operating within the Province of Ontario, were compiled. Notices were sent to each of these with a copy of the Act and the necessary forms required in connection with seeking registration. The number of such schools appearing on this list was in the neighbourhood of two hundred. Of this number, thirty-three have been given certificates of registration for 1939 and are as follows:—

Industrial Training Systems Limited, 2130 Lawrence Ave., Chicago. Toronto address—67 Carlton Street.
International Correspondence Schools, Canadian Limited, 1517 Mountain St., Montreal. Toronto address—65 Bloor St. W.
Toronto School of Design, 1139 Bay St., Toronto.
Deforest's Training Incorporated, 2533 N. Ashland Ave., Chicago, Illinois.
M.C.C. Civil Service School, 301 New Enderton Building, Winnipeg, Manitoba. Toronto office—357 Lauder Ave., Toronto 10.
The Technological Institute of Great Britain, Temple Bar House, Fleet Street, London, E.C. 4. Toronto office—749 Yonge Street.
Canadian Marconi Co., Limited, 71 King St. W., Toronto.
Northern Institute of Technology, Limited, 54 Bloor St. W., Toronto.
Fliers Limited, Barker Airport, Dufferin St. N., Fairbank, Toronto.
Leavens' Brothers Air Service, Limited, Barker Airport, Dufferin St. N., Toronto.
Cooper Institute of Accountancy, Cooper Building, The Mall, Winnipeg, Manitoba.
Canadian Electronics Institute, 210 Dundas St. W., Toronto.
The Teresa Designing & Dressmaking School, 1364 King St. W., Toronto.
The International Accountants Society Incorporated, 3411 South Michigan Ave., Chicago. Toronto office—805 Central Building, 45 Richmond St. W.
Air Transport and Training Company, Island Airport, Toronto.
The British Institute of Engineering Technology, Limited, Shakespeare House, Stratford Place, London, England. Canadian Agents—Canadian Institute of Science and Technology, Limited, 219 Bay St., Toronto.
LaSalle Extension University, Michigan Ave., at 41st St., Chicago. Toronto office—30 Bloor St. W.
Federal Schools Inc., Federal Schools Building, Minneapolis, Minnesota.
Shaw Schools, Limited, 1130 Bay St., Toronto.

General Welding Works, 100 Jarvis St., Toronto and 86 Notre Dame St., Sudbury.
National Schools, 4000 South Figueroa St., Los Angeles, California.
Galasso Practical School of Designing, 65 Avenue Road, Toronto.
Letchford Studio of Fashion Careers, 75 Bloor St. W., Toronto.
Newspaper Institute of America, One Park Ave., New York, N.Y.
National Radio Institute, 16th and U Sts., N.W. Washington, D.C.
Anderson School of Designing, 332 Bloor St. W., Toronto.
Washington School of Art, 1115–15th St., N.W. Washington, D.C.
The Sheldon School, 78 Kent St., Hamilton.
Standard Engineering Institute, 331 Bartlett Ave., Toronto.
Canadian Correspondence College, 501 Ryrie Building, 229 Yonge St., Toronto.
Gillies Flying Service, Barker Airport, Fairbank, Toronto.
The School of Stationary Engineering, 182 George St., Hamilton.
Alexander Hamilton Institute Limited, Astor Place, New York. Toronto office—54 Wellington St. W.

The remainder were either refused registration or voluntarily retired as not being able to measure up to the requirements of the Act. This is a most satisfactory result as scores of the schools were of a mushroom type and were offering little or nothing of a worth while nature to meet the educational requirements of this Province. The large amount of unemployment in recent years has supplied a very fruitful field for the operations of many of these fly-by-night schools. Young men and young women who are grasping at any straw which may hold out hope for a real position for them in life make easy marks for any unscrupulous salesman. They will invest their last dollar and mortgage their own future, as well as that of relatives and friends, in the hope that the veiled offer of a position will soon enable them to meet their indebtedness. In most cases the promised position fails to materialize and hope then vanishes.

Few realize the magnitude of the investments made by enrollees of these schools. One school—by no means the largest which we have investigated—with headquarters in the United States and operating a Canadian branch, during the year 1938 enrolled 14,856 students at $225.00 each, thus creating a gross total obligation of $3,342,600.00. Part of this will naturally not be collected but even allowing a very liberal shrinkage and realizing that this is only one school of hundreds similarly operated, we get some conception of the huge sums involved. Much of this money was forwarded to schools situated outside this Province. Moreover, when we know that only a very small percentage of these, students finish the course for which they register (variously estimated at from 3% to 7%) it is conclusive that there is a very large wastage in such investments. Then there is a most serious mental and moral effect on the applicant when faced with another disappointment when he realizes that there are not the positions available which he was led to believe existed when persuaded to sign the contract. This Department is endeavouring to spread the advice slogan—"Investigate before you invest." Schools seeking registration are subjected to extensive investigation. The following are some of the factors considered:—

1. Nature of the courses offered:

The Department must be satisfied that the course which the school desires to sell is really worth while and so arranged as to give the student the training which is claimed for it. The industrial field is explored to ascertain whether there exists a demand for such training. In many cases it is found that, although the nature of the course and its content may be good, there is very little opportunity of the graduate securing employment as a result of the training received

For instance, some of these schools selling courses in Diesel Engineering make very extravagant claims as to the opportunities available either directly or in the near future, for the young man completing such a course. As a result of such representations there have been sold in this Province thousands more diesel engine courses than there are diesel engines. Another field which has been far too extensively exploited is that of Air Conditioning and Refrigeration. It has therefore been necessary to place restrictions on such sales by limiting such sales to those who are already engaged in that trade, or requiring that such additional factors must be incorporated into the course offered, as will increase the possibility of securing employment as a result of the training received.

2. The content of the Contract Forms is controlled:

The forms of contract used by each school must conform to the provisions of the Act and Regulations. In the past these contract forms have been as binding as any form of promissory note could be, even if the course sold was afterwards found not to conform to the claims made for it by the salesman at the time of sale. The old forms compelled the applicant to pay and continue to pay to the end, irrespective of the fact that the course did not measure up to the verbal claims of the agent or that the circumstances of the student had so changed as to make it impossible for him to proceed with the work. The procedure under the Act protects, not only the student, but also the legitimate school, and is more equitable to all parties concerned.

3. Salesmen of courses must hold a Registration Certificate:

All salesmen for courses of study given by trade-schools must now secure Salesmen's Certificates from this Department. Much of the trouble connected with the sale of trade school courses has originated in the unethical actions of the salesmen for these schools. The only penalty to which such a salesman, at present, is subjected is the cancellation of his salesman's certificate. This is not sufficient as experience during the year of operation of the Act has proved. The Legislature will be requested to remedy this defect.

4. All advertising matter must be approved:

The misleading nature of much of the advertising used in the past has resulted in great dissatisfaction among enrollees. There has been much exaggeration used as to the available opportunities resulting from taking various courses. All such advertising must now be first submitted to this Department for approval before it is liberated for publication. This control has required the closest co-operation between the publishers of the Province and this Department. We cannot speak too highly of the completeness of the assistance we have received from all publishers located within the Province, in protecting the public from unwarranted statements and unauthorized advertising.

Radio and other forms of advertising are likewise controlled and we desire to thank the controller of C.B.C. advertising and other station managers for their co-operation.

5. School accommodation investigated:

Where instruction is given to students actually in attendance rather than by correspondence, certificates must be furnished to this Department from appropriate authorities certifying to the building and equipment used as being satisfactory from the standpoints of fire hazard, safety and health. The inspection made by this Department determines whether the school accommodation and equipment are satisfactory for instructional purposes. It has been found necessary to refuse registration until the school moved into such quarters as could be approved or added such equipment as was deemed necessary to the course to be given.

6. Fees charged and methods of collection:

It is necessary to determine whether the fee charged for courses is reasonable and just. It is also necessary to determine whether or not the methods of collection are approved. In most cases the amount of the fee is controlled by the natural competition in the field by various schools giving similar work.

7. Qualifications of staff:

The qualifications of the teachers employed by the various schools must be submitted to this Department for supervision. Although no such definite control as is in operation in our regular schools is required, nevertheless where such qualifications fall below a standard which can be approved, the management are requested to make such changes as will ensure proper instruction being given. Such qualifications must conform not only to general education but also to the trade or practical experience required. No steps have been taken to insist on a course in pedagogical training being taken by instructors in these trade schools but appropriate theoretical and practical experience is necessary for approval.

8. Admission requirements of students:

Much dissatisfaction has resulted where students have been enrolled without possessing the necessary educational foundation to undertake the work of the course. In many cases this has resulted from the salesman on commission being more anxious to complete a sale than follow such standards as have been set up by the school. When such registrations have been brought to the attention of the management of the school cancellation of courses and refund of fees are freely made. Schools must abide by an agreed entrance qualification for each course of study offered for sale.

9. Fees for registration:

Schools completing registration must pay a fee of $50.00 for one course of study and $10.00 for each additional course offered, up to a maximum of $200.00. They must also file with the Minister a Surety Bond in the sum of $1,000.00 as assurance that contracts made with students will be satisfactorily completed. The same amounts are payable for the annual renewal of the Registration Certificate. Salesmen pay $1.00 annually for a salesman's certificate. The amount collected in fees during 1939 was $2,746.00.

Since the Act was proclaimed applications have been received for exemptions from its operation under clause 12 (1). In only one case has this been acceded to, viz—that of Flying Clubs which are subsidized by the Dominion Government on account of services rendered to the Government in the training of pilots. In case such a Flying Club is denied the continuance of such subsidy it automatically reverts to a trade-school under the Act and must seek registration in order to continue its instruction work legally.

Numerous claims filed for adjustment.

Considerable time and attention must be given by this Department to the securing of adjustments between schools and students. Complaints are being received daily either by correspondence or personal interviews. Investigations must be carried on from the standpoint of both parties to the contract. Marked success has attended these efforts. Registered schools and those seeking registration have shown a desire to bring their institutions into line with the requirement of the Act and to free themselves from those evils which the Act was intended to correct. As an example of what the Act can do to settle injustices we give the following as an example:—A few days ago the solicitor for a young man called to present the case for his client. This young man had been brought into court by a salesman who claimed he held a note for $20.00 issued by this young man as first payment on a course. This note was on the back of a business calling card carried by this salesman. The young man claimed that this agent called upon him at his business office when he was very busy answering frequent telephone calls. The young man claimed he told this agent he was not in a position at the time to undertake the cost of the course. While still answering telephone calls the agent placed his calling card before the young man and requested him to sign his name on it for his records. The young man claims there was nothing on the card when he affixed his signature but the agent claims otherwise. Next day a set of books was delivered which he returned with the message that he had not signed for them. A court case followed and the calling card, as exhibit No. 1, was declared a perfectly legal promissory note and judgment was rendered for the $20.00 together with court cost of about $10.00. After receiving affidavits as to occurrences on the occasion of the aforesaid interview we sent for the agent who was closely questioned about all the circumstances of the case. He was asked to explain why a calling card was used and not a legal form of note. The explanations were not satisfactory. We indicated that we strongly disapproved of such sales methods. He inquired what he had better do about it and was told to consult his manager in the business and he would tell him. This he did not appear anxious to do and said he would see his lawyer and have him nullify the judgment rendered. He was told he would have to go farther and have the whole contract cancelled, which was done. Without the services which could be rendered under the authority of the Act no such adjustment as this could have been secured. Many other cases have been somewhat similarly adjusted during the year, some of which had already reached the court for legal action and collection.

Vocational guidance an important outcome of the Act.

Since the public has learned that a Department is maintained to regulate the activities of trade schools, very extensive correspondence has developed and many interviews are given daily to persons seeking guidance with reference to the reliability of schools and the value of the courses which they sell. They also seek information as to courses which have fair prospects of preparing for a real place in the industrial and business life. This branch of the work has largely developed into a vocational guidance department and has been greatly appreciated by those seeking such aid.

Other Provinces and States seek information of the Act.

Considerable assistance has been given to representatives of other Provinces where the preparation of similar legislation to that of the Ontario Trade-Schools Regulation Act is in progress. Much appreciation has been expressed for the assistance rendered.

Penalties for violation of the Act.

The Act states that keepers or operators of a trade school, who violate the requirements as laid down in the Act and Regulations are subject, upon summary conviction, to a fine of not less than $100.00 or to imprisonment for a term not exceeding six months. This penalty clause is not sufficiently severe to insure proper enforcement of the Act and the Legislature will be requested to pass such amendments as will deal properly with violations such as have been before this Department during the past year. For instance one school deliberately neglected to seek registration for months after being duly warned and continued to sell courses throughout this Province to the extent of nearly $35,000.00 before ceasing such activity. Another group without any facilities for servicing students with any course of study, collected in cash payments during the past few weeks an amount of from $2,000.00 to $3,000.00 for which the applicant gets nothing. These payments cannot be returned to these students as the promoters have nothing with which to pay and as they were not registered no security bond was filed with the Department. Such procedure requires action under the criminal code which is being taken. As the Act contains no penalty for the agent or salesman and with such large sums being involved, the necessity of amendments to the Act will be quite evident.

With such information as has been given in the preceding part of this report one would be justified in asking the question "What useful purpose does any of such schools furnish?" Many of these schools have been satisfactorily serving the public for many years. Many of the courses offered have merit and have filled a very essential place in the educational field. It has not been the good fortune of every ambitious person to be so situated as to be able to receive instruction along recognized vocational or other education lines by attending some well-established school of higher education. To such the correspondence school has had a strong appeal. It is most desirable that a portion of leisure time should be devoted to home study which will assist in educational and vocational advancement, no matter where the person may be located. The very effort put forth in connection with the mastery of such a course will develop those powers of concentration and tenacity of purpose so essential to life's success. It is therefore very desirable that the person seeking such instruction should have the assurance that the type of school to which he looks for guidance and instruction is of a reputable and dependable character. Although only thirty-three schools out of a total of nearly two hundred investigated have been registered we find these registered schools are now strong advocates for the Act. It has enabled them to become dissociated from that class of school which has existed by practising unethical methods upon innocent and gullible youth. Schools which were the chief opponents of the Act when it was before the Legislature have now become its strongest advocates and desire to have the powers of the Act extended.

In the enforcement of the Act we desire to acknowledge the most valuable assistance and co-operation received from other Government Departments including that of the Attorney-General, the Provincial Secretary, Department of Health, Department of Labour, the Provincial Police and various sections of the Department of Education.

There is every evidence that the Trade-Schools Regulation Act is really regulating and controlling the abuses for which it was introduced and passed by the Legislature of the Province of Ontario and is receiving the fullest approbation from the public in general.

W. S. Kirkland,
Registrar of Trade Schools.

Toronto, January 10, 1940.

PART II

STATISTICS

of

The Provincially-Controlled Schools of Ontario

TERMINOLOGY

Assessment—The valuation placed upon property for tax levy purposes. The County Council generally makes an equalization annually of local assessment figures, and this equalized figure is used in the computation of Legislative grants to schools.

Attendance Efficiency—The percentage relation of the actual days attended to the perfect aggregate.

Auxiliary Classes—These are provided for pupils whose abilities do not lie along academic lines.

Capital Charges—Debenture instalments, or sinking fund deposits, made on debt incurred for school buildings and equipment.

Consolidated School—An amalgamation of two or more rural schools, or of rural schools with a village or town school, either for the purpose of strengthening the means of school support where the original schools were small or poor, or for the purpose of providing a graded school and other advantages, such as conveyance, instead of the original one-room school.

Compulsory School Age—Children 8 to 14 must attend full time; children from 5 to 8, if enrolled, must attend full time to the end of the school term for which they are enrolled. Adolescents, 14 to 16, who have not attained University matriculation standing must attend full time; those exempted on the plea of circumstances compelling them to go to work must attend part time (400 hours a year) in municipalities where part-time courses are provided. Urban municipalities with a population of 5,000 and over, are required to provide part-time courses.

Cost per Pupil-Day—The cost of educating one pupil of actual attendance, for one day. It is found by dividing the total cost of education of the group of pupils concerned by the actual aggregate attendance of this group for the period under consideration.

District—The eleven defined areas of Northern Ontario which do not constitute municipal units for any purpose. With the exception of Parry Sound and Muskoka, these areas lie north of the French River and Lake Nipissing. This region is newer and more sparsely populated than Southern Ontario, and produces most of Ontario's extensive mineral and forest wealth.

Enrolment—The number recorded on the school register as in active attendance. The school census for the Province is now taken annually on the last school day in May.

Free School Age—The Public Schools are free to all residents (except Separate School supporters) between the ages of 5 and 21. The Separate Schools are free to separate school supporters.

Fifth Classes—Grades IX and X in Elementary Schools, doing work similar to the first two grades of Secondary Schools. The majority of these classes are in rural areas.

General Maintenance—Ordinary, current expense, as opposed to capital outlays and debenture charges.

Inspectorate—The area under the supervision of a local Departmental representative.

School—Provincially controlled schools may be classified as:

I. **Elementary**—Those doing the work of the first eight grades. A few have Fifth Classes (see above).
  - (a) **Public**—Non-sectarian.
  - (b) **R.C. Separate**—For the children of Roman Catholics.
  - (c) **Protestant Separate**—For the children of Protestants in centres preponderantly Roman Catholic.

II. **Secondary**—Those doing the work of Grades IX to University Matriculation.
  - (a) **Academic:**
    1. **Collegiate Institutes.**
    3. **High Schools.**
    3. **Continuation Schools.**

    These schools are differentiated by minimum staff requirements. Continuation Schools are located mostly in villages or rural areas. Academic Courses are designed to lead to Universities and Teacher-Training Schools.
  - (b) Vocational:
    1. **Technical High School.**
    2. **Commercial High School.**

    In the smaller centres the above two are combined in the one school. Vocational courses are designed to lead to industry, trade and commerce.

School District—The area over which a school board has jurisdiction.

School Year—The school year consists of two terms, September 1 to December 22, and January 3 to June 30. In addition to the intervals between these terms there is a vacation of one week following Easter. In this Report statistics cover the school year where possible. Financial data remains on the calendar year basis.

STATISTICS OF THE PROVINCIALLY-CONTROLLED SCHOOLS OF ONTARIO
SUMMARY FOR 1938

	ELEMENTARY		SECONDARY			SENIOR AUXILIARY	TOTALS
	Public	Separate	Continuation	High‡	Vocational		
DAY SCHOOLS:							
Number	6,390	840	205	227	59	5	7,726
Pupils—May Enrolment, 1939	453,182	104,466	9,866	72,247	38,157	1,427	679,345
Average Attendance for the year A	397,074	94,303	9,607	68,591	34,679	1,247	605,501
Attendance Efficiency Percentage for the year	89.9	92.0	91.9	94.2	93.0	86.8	90.9
Teachers—Number	14,544	3,017	529	2,641	1,605	65	21,986†
Male	3,533	341	265	1,412	1,022	34	6,378†
Female	11,011	2,676	264	1,229	583	31	15,608†
Percentage Male	24.29	11.30	50.0	53.4	63.6	52.31	29.0
Percentage Female	75.71	88.70	50.0	46.6	36.4	47.69	71.0
University Graduates	597	68	317	2,486	1,187	14	4,651
Gross Municipal Disbursements:							
(a) Teachers' Salaries	$17,058,959	$2,321,355	$593,549	$5,377,741	$3,432,712	$170,686	$28,955,002
(b) Other Current Cost	7,001,140	1,059,477	213,449	1,537,163	1,099,838	76,835	10,987,902
Total Current Cost	$24,060,099	$3,380,832	$806,998	$6,914,904	$4,532,550	$247,521	$39,942,904
(c) Capital Charges	$3,987,687	$716,469	$133,866	$1,630,768	$1,247,690	$22,384	$7,738,864
Total	$28,047,786	$4,097,301	$940,864	$8,545,672	$5,780,240	$269,905	$47,681,768
Legislative Grants	$3,439,051	$980,249	$224,443	$862,363	$1,170,531	$44,945	$6,721,576
Net Municipal Operating Cost	$24,608,735	$3,117,052	$716,427	$7,683,309	$4,609,709	$224,960	$40,960,192
Teacher Salary percentage of Total Current Cost	70.9	68.7	73.5	77.8	75.7	69.0	72.5
Capital Outlays	$1,053,503	$340,625	$158,319	$293,302	$174,710	$1,684	$2,022,143
Fifth Classes:							
Schools conducting Fifth Class Work	1,267	172					1,439
Enrolment in these Fifth Classes	6,444	3,250					9,694
Classes Qualifying for Legislative Grant	410	110					520
Enrolment in these Qualifying Fifth Classes	2,845	1,237					4,082
Grading of Qualifying Fifth Classes—A	95	66					161
B	138	28					166
C	177	16					193
Legislative Grants	$48,771	$13,765					$62,536*
NIGHT SCHOOLS (1938-39):							
Number	12			9	52		73
Student Enrolment	731			1,838	36,481		39,050
Number of Teachers	27			77	1,096		1,200
Teachers' Salaries	$5,337			$17,262	$236,490		$259,089
Total Disbursements	N.R.			$22,763	$310,576		$333,339

*Plus $763 for equipment grants only, to schools whose Fifth Classes qualified in past years, but not this year.

†Excluding duplications.

‡Includes Collegiate Institutes.

A—School Year 1938-39.

N.R.—No record.

AVERAGE COSTS PER PUPIL-DAY 1938, AND COMPARISON WITH 1937

A—Elementary Schools

Type	Subdivision	Gross Cost per Pupil-Day (in cents)						Legislative Share	
		Current[1]		Capital[2]		Total			
		1938	1937	1938	1937	1938	1937	1938	1937
Public	All Rural	27.5	26.8	2.1	1.8	29.6	28.6	8.0	7.2
	Low Attendance	55.1	52.2	......	......	55.1	52.2	15.8	15.9
	Ordinary Rural	27.3	26.0	1.5	1.3	28.8	27.3	7.6	6.9
	Consolidated	40.3	40.9	7.3	7.3	47.6	48.2	16.1	16.7
	Large Suburban and Semi-Urban	28.2	30.5	5.1	4.6	33.3	35.1	9.5	8.5
	All Urban	32.1	33.9	7.0	6.6	39.1	40.5	2.0	2.0
	Town	22.6	23.8	4.3	4.1	26.9	27.9	2.5	2.3
	City	36.4	38.4	8.2	7.7	44.6	46.1	1.5	1.6
	All Public	30.3	31.1	5.1	4.6	35.4	35.7	4.3	4.1
R.C. Separate	All Rural	22.4	21.0	2.9	2.5	25.3	23.5	11.9	9.7
	All Urban	18.5	18.0	5.1	3.9	23.6	21.9	4.4	2.6
	Town	17.7	17.2	3.4	2.5	21.1	19.7	6.0	4.4
	City	18.9	18.2	6.0	4.5	24.9	22.7	3.1	1.6
	All Separate	19.4	18.6	4.5	3.6	23.9	22.2	6.2	4.1

B—Secondary Schools

Continuation	All	45.9	46.7	7.6	8.5	53.5	55.2	12.8	11.9
High Schools and Collegiate Institutes	High	48.5	50.7	11.3	12.8	59.8	63.5	11.7	9.5
	Collegiate	55.9	60.0	13.3	13.9	69.2	73.9	3.6	3.3
	All	53.1	56.5	12.5	13.4	65.6	69.9	6.6	5.6
Vocational	Purely Technical	89.2	102.9	23.2	22.9	112.4	125.8	21.1	24.9
	Purely Commercial	61.6	61.6	15.5	15.0	77.1	76.6	7.8	7.1
	Combined Vocational (Commercial and Technical)	64.1	65.2	19.0	22.1	83.1	87.3	20.6	24.0
	All	70.0	75.3	19.3	21.3	89.3	96.6	18.0	19.7

C—Special Schools

Senior Auxiliary	All	101.0	112.5	9.1	10.4	110.1	122.9	18.3	19.3

[1] General Maintenance.

[2] Debt Charges.

DISTRIBUTION OF PUPILS IN ONTARIO PROVINCIALLY-CONTROLLED SCHOOLS, MAY,* 1939

A—STANDARD GRADE PUPILS

		Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 and over	Totals by Sexes	Totals	Percentage of Group A
KINDERGARTEN..	Boys	39	4,018	3,539	171	......	......	......	......	......	......	......	......	......	......	......	......	7,767	14,982	2.2
	Girls	43	3,855	3,199	118	......	......	......	......	......	......	......	......	......	......	......	......	7,215		
KINDERGARTEN PRIMARY.......	Boys	2	1,033	2,276	687	111	29	10	3	2	2	......	......	......	......	......	......	4,155	8,063	1.2
	Girls	3	1,040	2,102	631	97	23	6	3	2	1	......	......	......	......	......	......	3,908		
GRADE I......	Boys	11	1,154	15,304	18,744	6,303	1,650	509	224	112	62	28	11	6	1	1	1	44,121	83,208	12.4
	Girls	11	1,338	15,287	16,602	4,384	973	260	110	58	31	16	6	7	1	2	1	39,087		
GRADE II.....	Boys	......	21	524	10,085	16,298	7,071	2,294	872	343	137	70	16	6	2	......	......	37,739	71,960	10.8
	Girls	......	8	659	11,327	15,266	4,899	1,352	412	161	79	36	17	5	......	......	......	34,221		
GRADE III....	Boys	......	......	15	578	7,983	12,755	6,563	2,748	992	451	168	132	14	7	2	......	32,408	60,776	9.1
	Girls	......	......	15	882	8,061	11,774	4,935	1,799	558	238	59	35	6	6	......	......	28,368		
GRADE IV....	Boys	......	......	......	39	1,860	7,632	8,906	5,143	2,421	1,019	399	144	26	9	4	......	27,602	53,597	8.0
	Girls	......	......	......	71	2,490	9,002	8,447	3,759	1,427	529	198	51	17	2	2	......	25,995		
GRADE V.....	Boys	......	......	......	2	123	3,144	9,067	8,440	5,085	2,658	1,135	380	74	10	2	......	30,120	58,497	8.7
	Girls	......	......	......	1	193	4,386	10,238	7,401	3,690	1,668	549	192	42	14	2	1	28,377		
GRADE VI....	Boys	......	......	......	......	102	1,602	6,564	9,913	7,543	4,650	2,241	1,461	184	14	3	1	34,278	67,240	10.0
	Girls	......	......	......	......	2	260	5,478	12,206	8,079	4,403	1,790	614	122	7	1	......	32,962		
GRADE VII...	Boys	......	......	......	......	......	25	239	3,974	9,704	8,847	5,884	2,712	391	87	14	......	31,877	63,653	9.5
	Girls	......	......	......	......	......	10	440	5,503	11,003	8,311	4,440	1,732	302	30	5	......	31,776		
GRADE VIII..	Boys	......	......	......	......	......	1	5	263	3,884	9,307	8,315	5,057	1,842	326	39	6	29,045	59,926	9.0
	Girls	......	......	......	......	......	......	9	458	5,203	10,829	8,485	4,463	1,215	177	37	5	30,881		
GRADE IX....	Boys	......	......	......	......	......	......	......	21	516	4,702	7,585	5,716	2,750	640	149	10	22,089	44,883	6.7
	Girls	......	......	......	......	......	......	......	29	676	4,646	8,224	5,999	2,410	689	97	24	22,794		
GRADE X.....	Boys	......	......	......	......	......	......	......	1	31	436	2,756	5,429	4,346	2,218	834	260	16,311	34,853	5.3
	Girls	......	......	......	......	......	......	......	1	30	559	3,829	6,651	4,770	2,025	542	135	18,542		
GRADE XI....	Boys	......	......	......	......	......	......	......	......	1	21	345	1,870	3,574	2,738	1,534	777	10,860	23,374	3.5
	Girls	......	......	......	......	......	......	......	......	1	33	474	2,836	4,426	2,897	1,302	545	12,514		
GRADE XII...	Boys	......	......	......	......	......	......	......	......	......	1	11	214	1,259	2,478	1,908	1,326	7,197	15,502	2.3
	Girls	......	......	......	......	......	......	......	......	......	......	24	383	1,951	3,003	1,902	1,042	8,305		
GRADE XIII..	Boys	......	......	......	......	......	......	......	......	......	......	2	18	196	952	1,565	1,782	4,515	8,923	1.3
	Girls	......	......	......	......	......	......	......	......	......	......	3	23	306	1,197	1,596	1,283	4,408		
TOTALS BY SEXES........	Boys	52	6,226	21,658	30,306	32,780	33,909	34,157	31,602	30,634	32,293	28,939	23,160	14,668	9,482	6,055	4,163	340,084		
	Girls	57	6,241	21,262	29,632	30,493	31,327	31,165	31,681	30,888	31,327	28,127	23,002	15,579	10,048	5,488	3,036	329,353		
TOTALS—GROUP A...		**109**	**12,467**	**42,920**	**59,938**	**63,273**	**65,236**	**65,322**	**63,283**	**61,522**	**63,620**	**57,066**	**46,162**	**30,247**	**19,530**	**11,543**	**7,199**	....		
PERCENTAGES.......		**.02**	**1.8**	**6.4**	**9.0**	**9.5**	**9.7**	**9.8**	**9.4**	**9.2**	**9.6**	**8.5**	**6.9**	**4.5**	**2.9**	**1.7**	**1.1**	....	**669437**	

*Last school day in May.

B—PRE-VOCATIONAL AND SPECIAL VOCATIONAL PUPILS

		Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 and over	Totals by Sexes	Totals
PRE-VOCATIONAL......	Boys	......	......	......	......	......	......	......	......	1	29	74	304	310	91	7	3	819	
	Girls	......	......	......	......	......	......	......	......	......	3	31	66	93	18	3	......	214	1,033
SPECIAL VOCATIONAL.	Boys	......	......	......	......	......	......	......	......	......	......	3	26	83	180	232	397	921	
	Girls	......	......	......	......	......	......	......	......	......	1	4	26	124	284	401	519	1,359	2,280
TOTALS—GROUP B...		......	......	......	......	......	......	......	......	1	33	112	422	610	573	643	919	3,313	......

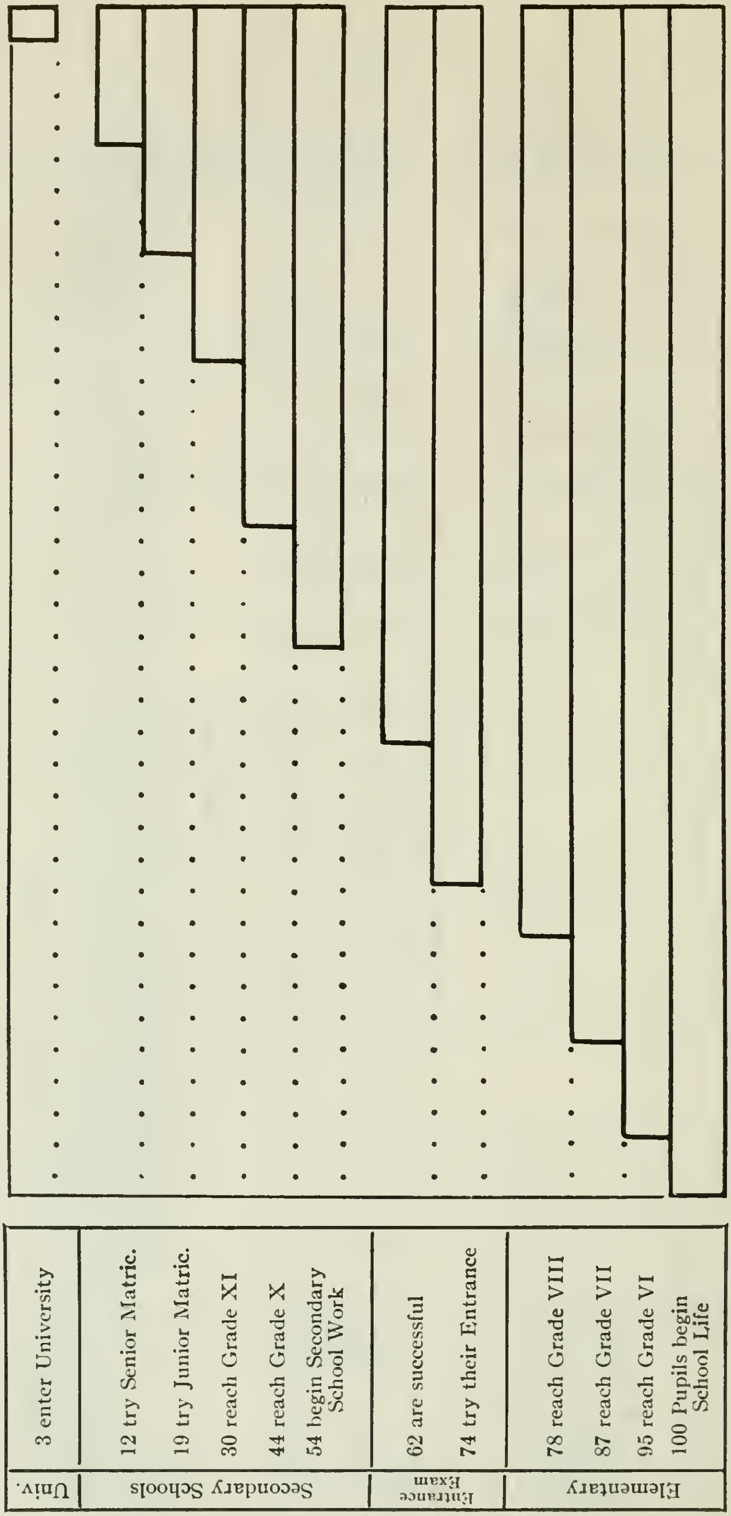
C—JUNIOR AND SENIOR AUXILIARY CLASSES

JUNIOR.......	Boys	......	......	5	43	111	221	349	376	433	427	458	447	163	45	8	3	3,089	
	Girls	......	......	3	19	54	136	172	220	274	236	173	146	71	24	5	3	1,536	4,625
SENIOR.......	Boys	......	......	......	......	......	......	......	......	9	142	212	252	130	31	9	10	795	
	Girls	......	......	......	......	......	......	......	......	6	96	203	250	66	11	......	......	632	1,427
TOTALS—GROUP C...		......	......	8	62	165	357	521	596	722	901	1,046	1,095	430	111	22	16	6,052	......

SUMMARY

Boys.................	52	6,226	21,663	30,349	32,891	34,130	34,506	31,978	31,077	32,891	29,686	24,189	15,354	9,829	6,311	4,576	345,708	......
Girls.................	57	6,241	21,265	29,651	30,547	31,463	31,337	31,901	31,168	31,663	28,538	23,490	15,933	10,385	5,897	3,558	333,094	......
GRAND TOTALS........	**109**	**12,467**	**42,928**	**60,000**	**63,438**	**65,593**	**65,843**	**63,879**	**62,245**	**65,554**	**58,224**	**47,679**	**31,287**	**20,214**	**12,208**	**8,134**	**678,802†**	......
PERCENTAGES.......	**.02**	**1.8**	**6.3**	**8.9**	**9.3**	**9.7**	**9.7**	**9.4**	**9.2**	**9.5**	**8.6**	**7.0**	**4.6**	**3.0**	**1.8**	**1.2**	....	......

†In addition, there were 543 Part-Time Vocational Pupils, unclassified.



Percentage of Pupils attaining Various Levels of Formal Education

Graph 2.

PUPIL MOVEMENT

I. Admissions, Transfers, Exemptions, Retirements during the School Year 1938-39

A—Elementary Schools

	Public Schools			Separate Schools			All
	Rural	Urban	Total	Rural	Urban	Total	
1. Admissions: (a) Beginners	22,734	29,499	52,233	2,954	9,956	12,910	65,143
(b) From outside the Province	1,414	2,421	3,835	164	627	791	4,626
Totals	24,148	31,290	56,068	3,188	10,583	13,701	69,769
2. Transfers: (a) To another Section or Municipality	19,845	14,238	34,083	1,571	4,134	5,705	39,788
(b) To Special Industrial, Craft School, or Auxiliary Class	237	954	1,191	16	307	323	1,514
(c) To another Province, etc.	618	1,633	2,251	115	404	519	2,770
Totals	20,700	16,825	37,525	1,702	4,845	6,547	44,072
3. Exemptions: Pupils who, during the year, did not attend any school, owing to:							
(a) Private Tuition	41	33	74	6	4	10	84
(b) Taking Departmental Correspondence Course	413	21	434	18	2	20	454
(c) Mental Disability	233	141	374	15	63	78	452
(d) Physical Disability—							
(i) Blind	25	10	35	3	9	12	47
(ii) Deaf	21	6	27	3	2	5	32
(iii) Crippled	158	89	247	18	43	61	308
(e) Distance from School	198	3	201	45	4	49	250
(f) Other Reasons	346	78	424	80	90	170	594
Totals	1,435	381	1,816	188	217	405	2,221

B—Secondary Schools

	Continuation Schools		Collegiate Institutes and High Schools		Vocational Schools		All	
	Number	Per cent.	Number	Per cent.	Number	Per cent.	Number	Per cent.
1. Beginners to Secondary Schools admitted from:								
(a) Publicly-Controlled Elementary Schools	3,551	97.4	21,454	97.1	11,382	93.2	36,387	95.9
(b) Private Schools	7	.2	157	.7	437	3.6	601	1.6
(c) Other Sources	87	2.4	478	2.2	399	3.2	964	2.5
Totals	3,645	100.0	22,089	100.0	12,218	100.0	37,952	100.0
2. Transfers to another Secondary School outside the Municipality	266	....	484	....	N.R.	....	....	....
3. Retirements (excluding Middle and Upper School Graduates) during:								
(a) First Year	392	11.8	1,773	8.8	1,613	13.0	3,778	10.0
(b) Second Year	295	11.1	1,405	8.3	1,717	15.7	3,417	11.0
(c) Third Year	256	12.4	1,417	9.8	1,438	15.7	3,111	12.1
(d) Fourth Year	131	8.8	746	7.0	1,817	52.8	2,694	17.3
(e) Fifth Year	36	10.0	507	6.4	170	27.9	713	8.0
Totals	1,110	11.3	5,848	8.1	6,755	18.5	13,713	11.6

NOTE:—Percent. under Retirements in the Secondary Schools is the percentage of the May Enrolment of the Year concerned. The actual percent. of the particular year who retired will be slightly lower than the given figure.
N.R.—No record.

II. Destinations and Occupations of Ex-Pupils School Year 1938-39 as reported at end of December, 1939.

Destination or Occupation	ELEMENTARY SCHOOLS			SECONDARY SCHOOLS				Total Leaving Student Life
	Public	Separate	Total	Continuation	High and Collegiate	Vocational	Total	
Total Number of Pupils Leaving	50,007	8,884	58,891	2,411	17,222	15,101	34,734	44,562
A. To Further Training	**73.6**	**72.6**	**73.5**	**7.5**	**29.6**	**3.5**	**16.7**	......
1. Fifth Form Elementary School	11.2	39.1	15.1	......	......	......	......	......
2. Secondary School	88.8	60.9	84.9	......	......	......	......	......
3. University	......	......	......	62.2	37.6	37.7	38.4	......
4. Normal School	......	......	......	37.8	14.6	2.3	14.2	......
5. Nurses' Training School	......	......	......	......	14.7	10.6	13.9	......
6. Business College	......	......	......	......	18.7	37.7	19.8	......
7. Technical Training School (Non-Provincial)	......	......	......	......	14.4	11.7	13.7	......
B. Employment	**22.0**	**21.7**	**21.9**	**68.0**	**53.5**	**62.6**	**58.5**	**75.6**
1. Agriculture	33.8	23.2	32.2	43.3	14.4	4.1	11.9	19.8
2. Commerce	6.1	6.4	6.2	9.0	26.2	37.0	29.9	20.7
3. Industry	8.0	10.1	8.3	......	9.8	12.4	10.2	9.5
4. Trades and Crafts	1.8	3.3	2.1	12.3	4.9	11.4	8.5	6.0
5. Transportation and Communication	1.5	1.3	1.4	......	3.3	2.7	2.7	2.2
6. Services: (a) Private	6.9	7.4	6.9	......	4.9	3.1	3.7	5.0
(b) Public	1.5	1.7	1.5	......	2.0	1.9	1.8	1.7
(c) Home Help (Girls)	30.9	36.2	31.7	......	17.1	9.3	12.1	19.7
7. Mining and Quarrying	.2	.2	.2	......	.8	1.1	.8	.6
8. Fishing, Trapping, Lumbering, Logging, etc.	.9	1.8	1.1	......	.3	.1	.2	.5
9. Unskilled Labour (not included in above)	5.2	4.4	5.1	......	4.2	3.4	3.5	4.1
10. Army	......	......	......	......	1.1	1.2	1.1	.6
11. Other Occupations	3.2	4.0	3.3	35.4	11.0	12.3	13.6	9.6
C. Unemployed	**2.1**	**2.2**	**2.2**	**18.9**	**8.3**	**13.6**	**11.4**	**11.7**
D. Death or Disability	**.9**	**1.0**	**.9**	**1.3**	**1.2**	**1.3**	**1.2**	**2.2**
E. Unknown	**1.4**	**2.5**	**1.5**	**4.3**	**7.4**	**19.0**	**12.2**	**11.5**

NOTE:—Main classes are expressed as percentage of Total Leaving, Sub-Classes as percentage of Main Class concerned. Finer classification not yet applied to Continuation Schools. Figures given for "Army" are those voluntarily indicated by school principals, and may not include all cases.

COMPARATIVE STATISTICS

I. PROVINCIAL POPULATION AND SCHOOL ENROLMENT

Year	Provincial Population[A]	Day Enrolment in Provincially Controlled Schools[B]	Percentage of Population in Day Schools	Day School Enrolment Classified as between		Compulsory Age Enrolment		Adolescent Age Enrolment		Adolescent Age Exemptions			
				Elementary	Secondary	Number	Percentage of whole	Number	Percentage of whole	By Home Permit	By Employment Certificate	Total	Percentage of Recorded Adolescents[C]
1930	3,141,633	661,748	21.1	84.7	15.3	451,404	68.2	83,821	12.7	1,369	3,151	4,520	5.1
1935	3,321,618	679,392	20.5	83.3	16.7	490,898	72.3	102,446	15.0	1,683	2,045	3,728	3.5
1938	3,394,228	672,696	19.8	82.8	17.2	481,233	71.5	100,839	15.0	1,730	1,907	3,637	3.5
1939	3,438,898	679,345	19.8	82.1	17.9	485,484	71.5	103,228	15.2	1,389	2,146	3,535[D]	3.3

[A] As supplied by Department of Municipal Affairs.

[B] School enrolment recorded for one particular day—the last school day in May.

[C] Based on May enrolled Adolescents plus exemptions.

[D] In addition, 710 Employment Certificates were issued to children under 14 years of age.

II. SCHOOLS, PUPILS, TEACHERS
ELEMENTARY SCHOOLS

Year	Legal Teaching Days A	Schools			Pupils					Teachers						
		Number in Operation			Enrolment B			Average Daily Attendance C	Attendance Efficiency Percentage	Number			Certificates			Experience
		Total	Rural	Urban	Total	Rural	Urban			Total	Male	Female	First Class	Special D	Second Class and Lower E	Average Length in Years
							PUBLIC AND SEPARATE SCHOOLS									
1919–20..	199	6,541	5,682	859	544,972	226,444	338,528	362,399	....	13,869	1,506	12,363	1,303	555	12,011	....
1924–25..	197	6,797	5,821	976	613,996	239,570	374,426	442,642	....	15,733	2,051	13,682	1,810	617	13,306	....
1929–30..	197	6,979	5,991	988	560,446	211,172	349,274	478,950	....	17,062	2,512	14,550	3,713	419	12,930	9.6
1934–35..	197	7,049	6,050	999	565,777	210,879	354,898	503,815	90.8	17,335	3,316	14,019	6,082	533	10,720	11.1
1936–37..	197	7,118	6,084	1,034	556,375	208,370	348,005	500,529	90.9	17,536	3,640	13,896	7,477	984	9,075	11.4
1937–38..	198	7,237	6,186	1,051	557,014	209,669	347,345	499,242	91.5	17,493	3,773	13,720	8,138	996	8,359	11.5
							PUBLIC SCHOOLS									
1919–20..	....	5,947	5,328	619	488,091	207,674	280,417	310,029	....	12,153	1,397	10,756	1,230	545	10,378	8.5
1924–25..	....	6,081	5,401	680	518,696	217,221	301,475	371,694	....	13,545	1,899	11,646	1,673	609	11,263	9.3
1929–30..	....	6,218	5,535	683	468,521	190,556	277,965	397,108	....	14,494	2,239	12,165	3,487	409	10,598	9.6
1934–35..	....	6,270	5,580	690	464,186	187,702	276,484	411,481	90.4	14,518	3,049	11,469	5,593	508	8,417	11.2
1936–37..	....	6,306	5,598	708	455,365	185,295	270,070	407,756	90.5	14,595	3,324	11,271	6,816	948	6,831	11.5
1937–38..	....	6,403	5,690	713	454,509	186,143	268,366	404,882	91.2	14,540	3,459	11,081	7,416	958	6,166	11.6
							ROMAN CATHOLIC SEPARATE SCHOOLS									
1919–20..	....	594	354	240	76,881	18,770	58,111	52,370	....	1,716	109	1,607	73	10	1,633	....
1924–25..	....	716	420	296	95,300	22,349	72,951	70,948	....	2,188	152	2,036	137	8	2,043	....
1929–30..	....	761	456	305	91,925	20,616	71,309	81,842	....	2,568	183	2,385	226	10	2,332	9.5
1934–35..	....	779	470	309	101,591	23,177	78,414	92,334	92.8	2,817	267	2,550	489	25	2,303	10.5
1936–37..	....	812	486	326	101,010	23,075	77,935	92,773	92.7	2,941	316	2,625	661	36	2,244	11.2
1937–38..	....	834	496	338	102,505	23,526	78,979	94,360	92.8	2,953	314	2,639	722	38	2,193	11.4
							PROTESTANT SEPARATE SCHOOLS F									
1919–20..	....	6	3	3	464	75	389	314	....	12	1	11	1	....	11	....
1924–25..	....	5	2	3	407	57	350	298	....	11	1	10	....	....	11	....
1929–30..	....	5	2	3	348	45	303	228	....	10	....	10	1	....	9	....
1934–35..	....	5	2	3	253	46	207	213	86.5	9	1	8	6	....	2	14.4
1936–37..	....	5	2	3	246	52	194	205	84.5	8	1	7	4	1	3	11.2
1937–38..	....	4	2	2	231	45	186	182	90.4	8	1	7	4	1	3	12.1

A In all Provincially-Controlled Schools.
B Commencing with 1929-30 the enrolment is that of the last school day in May. The former figures, covering the entire calendar year, contain a percentage of duplication.
C Covers the school year.
D This includes the following: Manual Training, Household Science, Auxiliary, Kindergarten, Art, Music, Physical Culture.
E This includes Third Class, District, Permanent Ungraded, and Temporary.
F Included with Public Schools.

SECONDARY SCHOOLS

Year	Schools	Pupils						Teachers							
					Grade Distribution			Number			Certificates				Experience
	Number in Operation	Enrolment	Average Daily Attendance	Attendance Efficiency Percentage	IX and X	XI and XII	XIII	Total	Male	Female	Graduates	Percentage	Specialists	Percentage	Average length of Secondary School Experience in Years
DAY SCHOOLS								COLLEGIATE INSTITUTES AND HIGH SCHOOLS							
1919-20	167	33,036	26,816	...	70.7	24.7	4.6	1,168	574	594	854	73.1	583	72.1	...
1924-25	183	52,116	44,836	...	61.0	31.0	8.0	1,657	779	878	1,367	82.5	1,199	72.3	...
1929-30	205	57,475	52,496	...	60.9	30.4	8.7	2,047	919	1,128	1,838	89.8	1,522	74.4	...
1934-35	212	67,395	64,369	93.5	53.4	34.3	12.3	2,361	1,171	1,190	2,235	94.7	1,850	78.4	10.1
1937-38	226	68,700	65,502	95.7	55.3	34.2	10.5	2,581	1,355	1,226	2,450	94.9	2,019	78.2	10.7
1938-39	227	72,247	68,591	94.2	54.3	34.7	11.0	2,641	1,412	1,229	2,486	94.1	2,075	78.6	10.5
								CONTINUATION SCHOOLS							
1919-20	137	5,126	3,955	...	77.9	22.1	...	244	63	181	67	27.4	19	23.4	...
1924-25	198	10,545	8,772	...	65.9	33.9	.2	396	112	284	48	12.1	65	16.4	...
1929-30	214	9,368	8,349	...	66.9	32.3	.8	455	167	288	53	11.6	36	7.9	...
1934-35	219	10,852	10,347	93.3	58.3	36.5	5.2	482	227	255	222	44.2	97	19.3	5.1
1937-38	206	9,251	8,774	93.4	60.9	35.1	4.0	504	249	255	290	57.5	126	25.0	5.6
1938-39	205	9,866	9,607	91.9	60.4	36.0	3.6	529	265	264	317	59.9	159	30.1	5.6
								VOCATIONAL SCHOOLS							
1919-20	12	4,790	2,771	...	...	...	...	177	...	...	...	...	...	...	...
1924-25	27	15,209	9,263	...	83.3	16.7	...	462	304	158	265	57.4	220	47.6	...
1929-30	51	29,095	20,632	...	83.5	16.5	...	979	589	390	656	67.0	481	49.1	...
1934-35	60	33,601	29,451	91.5	72.3	25.5	2.2	1,416	877	539	974	69.1	808	57.1	...
1937-38	59	36,282	33,099	93.3	71.5	27.1	1.4	1,531	952	579	1,117	72.9	975	63.7	10.2
1938-39	60	38,157	34,679	93.0	68.2	30.0	1.8	1,613	1,049	564	1,187	73.6	1,057	65.5	10.5
								SENIOR AUXILIARY SCHOOLS [A]							
1929-30	3	1,332	...	...	83.1	16.9	...	54	30	24	7	17.9	3	7.7	...
1934-35	5	1,671	1,357	85.5	76.3	23.7	...	66	34	32	13	18.8	3	4.3	...
1937-38	5	1,449	1,234	87.2	76.0	23.2	.8	70	40	30	13	18.6	3	4.3	8.3
1938-39	5	1,427	1,247	86.8	69.2	29.8	1.0	68	39	29	14	20.6	3	4.4	9.0
EVENING SCHOOLS								VOCATIONAL SCHOOLS							
1919-20	49	26,527	...	...	...	...	...	845	...	...	...	...	...	...	...
1924-25	52	35,675	...	...	...	...	...	1,182	714	468	...	...	...	...	...
1929-30	67	44,431	...	...	...	...	...	1,486	954	532	...	...	...	...	...
1934-35	29	23,803	...	...	...	...	...	745	501	244	...	...	...	...	...
1937-38	45	31,880	...	...	...	...	...	981	680	301	...	...	...	...	...
1938-39	52	36,481	...	...	...	...	...	1,096	784	312	...	...	...	...	...
								HIGH SCHOOLS							
1919-20	24	5,042	1,789	...	...	...	...	166	...	...	...	...	...	...	...
1924-25	24	2,130	1,089	...	...	...	...	64	...	...	...	...	...	...	...
1929-30	23	3,563	916	...	...	...	...	158	...	...	...	...	...	...	...
1934-35	10	2,888	956	...	...	...	...	108	...	...	...	...	...	...	...
1937-38	6	1,588	457	...	...	...	...	64	...	...	...	...	...	...	...
1938-39	8	1,808	520	...	...	...	...	76	...	...	...	...	...	...	...

[A] Grade distribution of full-time enrolment thus: (1) 1st and 2nd years; (2) 3rd and 4th years; (3) 5th year.

III. TEACHERS' SALARIES

ELEMENTARY SCHOOLS

Year	Male						Female						Aggregate Salaries†
	Highest	Average					Highest	Average					
		Province	City	Town	Urban	Rural		Province	City	Town	Urban	Rural	
PUBLIC SCHOOLS													
1920	3,500	1,575	2,150	1,674	1,964	1,059	2,975	1,000	1,262	941	1,146	868	$12,056,057
1925	3,600	1,645	2,294	1,797	2,101	1,148	3,500	1,142	1,443	1,082	1,318	970	16,898,259
1930	4,500	1,705	2,304	1,815	2,109	1,208	3,625	1,175	1,501	1,121	1,365	1,008	18,461,628
1935	5,000	1,376	2,180	1,390	1,922	848*	3,700	1,035	1,531	951	1,348	710*	16,586,817
1937-38	5,000	1,393	2,217	1,361	1,922	778*	3,700	1,049	1,546	982	1,367	675*	17,058,959
1938-39	5,000	1,434	2,257	1,371	1,954	823*	3,800	1,077	1,559	994	1,379	714*	17,812,387
ROMAN CATHOLIC SCHOOLS													
1920	2,000	1,027	1,155	575	1,055	841	1,250	637	668	517	614	694	$1,013,981
1925	2,000	911	955	772	914	899	1,800	719	698	652	685	806	1,670,852
1930	2,300	963	947	1,024	961	970	2,200	787	750	723	747	883	2,041,344
1935	2,300	843	879	940	891	738	1,800	716	677	742	701	764	2,124,920
1937-38	2,375	875	914	943	920	788	1,600	735	727	755	737	727	2,321,355
1938-39	2,500	904	943	979	949	829	1,800	744	725	750	736	766	2,517,542

SECONDARY SCHOOLS

Year	Highest			Average					Aggregate Salaries
	Principal	Male Assistant	Female Assistant	Principal	Male Assistant	Female Assistant	All Assistants	All Teachers	
COLLEGIATE INSTITUTES AND HIGH SCHOOLS									
1919-20	4,400	3,375	3,125	2,213	2,181	1,465	1,763	1,828	$2,269,387
1924-25	5,000	4,000	3,400	3,020	2,573	2,073	2,278	2,360	3,986,032
1929-30	5,000	4,500	3,575	3,293	2,698	2,175	2,380	2,472	5,057,646
1934-35	5,350	3,700	3,600	2,907	2,355	1,937	2,125	2,191	4,968,005
1937-38	5,000	3,700	3,600	2,900	2,316	1,954	2,129	2,197	5,377,741
1938-39	5,000	3,700	3,600	2,939	2,326	1,975	2,148	2,217	5,606,851
CONTINUATION SCHOOLS									
1919-20	2,100	1,100	1,300	1,303	967	927	929	1,139	$317,602
1924-25	3,400	2,000	2,100	1,803	1,400	1,394	1,395	1,600	595,629
1929-30	3,550	2,000	2,400	1,833	1,379	1,352	1,358	1,576	727,748
1934-35	3,100	1,600	1,800	1,466	1,091	1,056	1,069	1,242	570,006
1937-38	2,800	1,700	1,950	1,468	1,098	1,061	1,074	1,243	593,549
1938-39	2,800	2,000	1,950	1,490	1,128	1,073	1,093	1,259	631,252
VOCATIONAL SCHOOLS									
1919-20	....	....	....	....	....	....	....	2,576	$455,902
1924-25	8,125	4,325	3,375	4,343	2,563	2,232	2,483	2,575	1,525,532
1929-30	6,600	4,700	3,575	4,274	2,660	2,356	2,531	2,612	3,062,874
1934-35	5,350	3,700	3,600	3,726	2,426	2,135	2,318	2,371	3,260,836
1937-38	5,000	3,700	3,600	3,785	2,502	2,234	2,403	2,458	3,432,712
1938-39	5,000	3,700	3,600	3,837	2,535	2,290	2,445	2,499	3,869,586
SENIOR AUXILIARY SCHOOLS									
1929-30	3,800	2,700	2,200	3,033	2,211	2,005	2,111	2,184	$117,936
1934-35	3,300	3,150	2,500	2,931	2,294	2,150	2,225	2,277	165,013
1937-38	3,500	3,050	2,600	3,098	2,461	2,235	2,354	2,409	170,686
1938-39	3,500	2,900	2,600	3,161	2,478	2,277	2,383	2,442	171,720

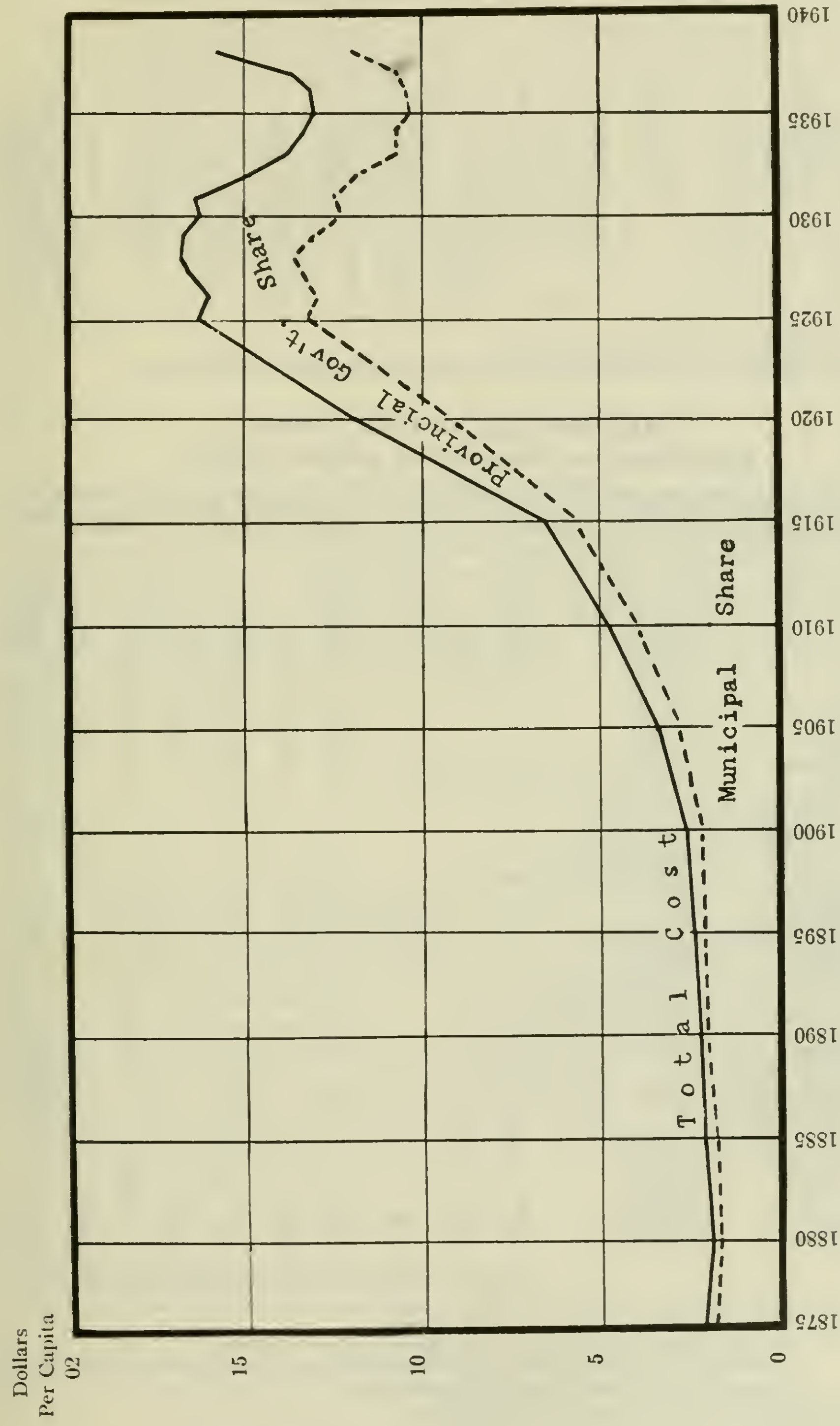
*Excluding large suburban schools.

†Includes all teachers—regular, supply, special and evening.

IV. FINANCES

Year	Receipts				Disbursements			
	Legislative Grants	County Grants	Local Levies A	Total Receipts	Current Operations (B)	Capital Charges (C)	Total (B) and (C)	Capital Outlays
ELEMENTARY SCHOOLS								
PUBLIC AND SEPARATE SCHOOLS								
1920	$1,630,836	$70,221	$18,696,576	$29,793,158	$20,423,938	$4,792,570	$25,216,508	$4,792,571
1925	3,401,863	87,969	24,602,324	40,762,782	29,255,921	4,042,896	33,298,817	4,042,896
1930	3,753,499	140,138	29,151,683	47,846,794	28,367,984	4,830,853	33,198,837	4,753,237
1935	3,013,917	98,404	24,064,856	33,583,735	25,372,263	4,007,155	29,379,418	525,460
1937	3,776,570	168,760	26,673,971	35,318,503	26,485,808	4,068,923	30,554,731	1,317,761
1938	4,419,300	195,998	27,403,153	36,586,953	27,440,931	4,704,156	32,145,087	1,494,128
PUBLIC SCHOOLS								
1920	$1,497,164	$70,221	$17,050,127	$27,125,849	$18,516,573	$4,327,472	$22,844,045	$4,327,472
1925	3,162,518	87,969	22,132,924	35,955,783	25,619,051	3,295,807	28,914,858	3,295,807
1930	3,396,681	118,598	25,934,733	41,688,303	25,374,753	4,038,740	29,413,493	3,946,677
1935	2,469,022	79,578	21,299,675	29,158,953	22,326,765	3,246,707	25,573,472	425,675
1937	3,048,392	147,055	23,625,830	30,294,928	23,208,552	3,444,068	26,652,620	945,670
1938	3,439,051	175,023	24,350,564	31,386,918	24,060,099	3,987,687	28,047,786	1,053,503
ROMAN CATHOLIC SEPARATE SCHOOLS								
1920	$133,672	E	$1,646,451	$2,667,309	$1,907,365	$465,098	$2,372,463	$465,099
1925	239,345	E	2,669,400	4,806,999	3,636,870	747,089	4,383,959	747,089
1930	356,818	$21,540	3,216,950	6,158,491	2,993,231	792,113	3,785,344	806,560
1935	544,895	18,826	2,765,181	4,424,782	3,045,498	760,448	3,805,946	99,785
1937	728,178	21,705	3,048,141	5,023,575	3,277,256	624,855	3,902,111	372,091
1938	980,249	20,975	3,052,589	5,200,035	3,380,832	716,469	4,097,301	340,625
PROTESTANT SEPARATE SCHOOLS								
1920	$782	E	$12,403	$16,771	$13,138	....	$13,138	$2,509
1925	1,244	E	14,372	19,569	17,332	....	17,332	428
1930	1,951	E	11,444	16,531	13,068	....	13,068	603
1935	1,286	E	7,447	12,317	11,224	....	11,224	....
1937	1,755	E	9,803	15,658	10,350	....	10,350	3,356
1938	1,895	E	10,239	14,237	9,758	....	9,758	1,458
SECONDARY SCHOOLS								
COLLEGIATE INSTITUTES AND HIGH SCHOOLS								
1920	$176,159	$509,776	$2,323,610	$4,065,050	....	....	$3,224,668	$364,264
1925	391,925	1,243,157	4,085,918	8,489,390	....	....	6,425,470	1,464,036
1930	472,655	1,764,313	5,962,393	12,929,308	$6,676,267	$1,459,322	8,135,589	2,055,896
1935	441,344	1,496,264	5,326,796	8,793,398	6,272,830	1,528,119	7,800,949	236,057
1937	654,713	1,299,513	5,918,722	9,073,448	6,609,439	1,544,333	8,153,772	159,576
1938	862,363	1,112,173	6,520,568	9,473,763	6,914,904	1,630,768	8,545,672	293,302
CONTINUATION SCHOOLS								
1920	$113,879	$125,127	$199,593	$548,411	....	....	$438,311	$34,773
1925	184,385	355,727	322,956	1,275,180	....	....	894,477	207,378
1930	228,673	442,101	448,984	1,637,413	$ 957,529	$145,121	1,102,650	174,272
1935	174,764	337,820	292,971	1,196,847	755,835	119,710	875,545	40,347
1937	192,374	263,872	358,227	1,165,018	757,482	137,890	895,372	32,069
1938	224,437	287,041	391,051	1,326,994	806,998	133,866	940,864	158,319
VOCATIONAL SCHOOLS								
1920	$140,294	E	$340,914	$832,134	....	....	$541,902	$117,150
1925	743,427	E	1,778,559	3,497,255	....	....	3,045,433	320,000
1930	1,144,052	$207,927	3,634,260	9,233,601	$4,197,207	$735,797	4,933,004	3,167,393
1935	1,109,091	243,886	3,882,809	5,801,732	4,064,112	1,127,324	5,191,436	38,795
1937	978,976	240,941	4,291,128	6,153,531	4,329,896	1,227,764	5,557,660	226,289
1938	1,170,531	373,041	4,430,122	6,600,403	4,532,550	1,247,690	5,780,240	174,710
SENIOR AUXILIARY SCHOOLS								
1930	$47,200	....	$129,443	$192,463	$156,911	$6,789	$163,700	$2,983
1935	53,834	....	204,389	....	229,346	23,106	252,452	....
1937	41,429	....	242,400	....	231,755	23,152	254,907	....
1938	42,748	....	214,012	....	249,301	23,043	272,344	1,684

A—Includes Township Grants and School District Levies.
E—Included with Local Levies.



TOTAL AMOUNT SPENT ON EDUCATION IN THE PROVINCE

Per Capita of Provincial Population, 1875-1938

Graph 8.

V. TEACHERS IN TRAINING

(This Table is intended to show only the new teachers added to the Profession)

Year	Student Teachers Enrolled [A]							Interim Certificates Issued						Total Newly Certificated Teachers
								Secondary		Elementary				
	College of Education (Toronto)	Technical Training College (Hamilton)	Provincial Normal Schools [C]	English-French Model Schools	Summer Model Schools	Autumn Model Schools	Total	High School Assistant	Vocational School Assistant	Interim First Class	Interim Second Class	Limited Third Class	District	
1919-20	455	......	1,357	72	126	274	2,284	114	......	197	1,217	220	119	1,867
1924-25	337	......	2,884	D	146	217	3,584	275	......	539	1,650	278[B]	237	2,927
1929-30	437	44	3,607	......	69	D	4,157	365	37	669	703	52	8	1,834
1934-35	536	60	2,537	......	51	......	3,184	498	34	1,410	596	40	8	2,586
1937-38	352	47	1,087	......	D	......	1,486	295	28	1,165	149	......	......	1,627
1938-39	496	54	990	......	......	......	1,540	383	21	1,267	150	......	......	1,821

[A] Includes extra-mural Students.
[B] 52 of these previously held District Certificates.
[C] Located at Hamilton, London, North Bay, Ottawa, Peterborough, Stratford and Toronto.
[D] Discontinued.

VI. DEPARTMENTAL SUMMER COURSES
ENROLMENT BY SUBJECTS IN RECENT YEARS

(The Summer Courses are conducted by the Department of Education for the benefit of Teachers, who desire to spend a part of their summer vacation in an effort to improve their academic and professional standing, and thus to become more efficient in carrying on with a modernized curriculum.)

Courses	Centre	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Agriculture	Guelph, Kemptville	363	487	513	378	350	566	1,121	1,336	965	577
Art	Toronto	232	261	353	183	192	223	292	321	303	389
Auxiliary Classes	Toronto	93	158	.....	66	78	109	134	130	174	178
Cadet Corps	.....	57	63	.....	.....	.....	.....	.....	.....	.....	.....
Commercial	Toronto	215	307	238	194	175	175	216	258	261	233
Education	See below	.....	.....	.....	.....	.....	.....	668	1,385	1,213	1,152
English-French	See below	678	700	806	372	305	329	253	224	212	153
Farm Mechanics	Guelph	.....	.....	.....	.....	.....	.....	25	23	27	18
Health Teaching	Toronto	.....	.....	.....	45	53	84	176	213	305	153
High School Assistant's	Toronto	38	67	99	84	79	87	51	64	82	64
Household Arts	See below	.....	.....	.....	.....	.....	.....	.....	48	.....	.....
Household Science	See below	88	87	.....	24	28	55	158	365	.....	.....
*Home Economics—Type A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Type B	See below	.....	.....	.....	.....	.....	.....	.....	.....	117	100
Type C	.....	.....	.....	.....	.....	.....	.....	.....	.....	437	433
Kindergarten-Primary	London, Toronto, Ottawa	256	308	.....	169	205	208	279	320	308	306
Latin Refresher	Toronto	.....	.....	.....	.....	.....	.....	.....	.....	70	53
†Manual Training—											
(a) Elementary, Type A	Hamilton	84	64	.....	32	33	62	102	231	154	132
(b) Elementary, Type B	Ottawa	.....	.....	.....	.....	.....	.....	.....	.....	358	423
(c) Specialist	Hamilton	.....	.....	.....	.....	.....	.....	.....	.....	47	55
(d) Extension	Hamilton	.....	.....	.....	.....	.....	.....	.....	.....	20	4
Middle School	.....	13	11	.....	.....	.....	.....	.....	.....	.....	.....
Music—Vocal	Toronto, London	225	276	.....	152	196	409	502	693	970	995
Instrumental	Toronto, London	.....	.....	.....	.....	.....	.....	11	73	.....	.....
Oral French	Quebec	69	80	.....	62	59	48	46	57	45	55
Physical Education	See below	255	351	.....	314	271	271	252	199	156	.....
Physical Education Refresher for Men	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	225
Refresher Courses in Science	Toronto	57	61	.....	20	15	17	.....	.....	.....	.....
Refresher Courses in English and History	.....	37	56	.....	.....	.....	.....	.....	.....	.....	.....
School Nurses	Toronto	33	34	.....	.....	34	.....	.....	.....	.....	.....
School Librarian's Course	Toronto	32	32	.....	.....	.....	.....	.....	.....	.....	.....
Shop Work—General	Hamilton	.....	.....	.....	.....	.....	.....	.....	16	.....	.....
Special	Hamilton	.....	.....	.....	.....	.....	.....	.....	120	.....	.....
Upper School	See below	906	910	.....	695	701	610	637	449	424	393
Vocational Courses	Hamilton	347	305	203	120	78	81	70	73	96	104
Vocational Guidance	Hamilton	22	19	.....	12	20	.....	6	.....	32	27
Visual Aids	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
Total	.....	4,099	4,637	‡2,212	2,922	2,872	3,334	5,039	6,598	6,795	6,289

1939 Centres: Education—Ottawa, Kingston, London, Toronto.
Physical Education—Lake Couchiching (Women); Kingston (Men).
Upper School—Ottawa, Windsor, Fort William, Kingston, Toronto, London, North Bay.
English-French—Ottawa, Windsor, Sturgeon Falls.

*Type C, Hamilton and Ottawa; Type A and B at Toronto.

†Part I only of Type B at Ottawa, balance at Hamilton.

‡In the interests of economy a curtailment was made in the number of courses offered.

VII. TREND IN GRADE OF TEACHERS' CERTIFICATES IN ENGLISH-FRENCH SCHOOLS

Year	Number of Teachers	First Class		Second Class		Third Class		District		Temporary		Permanent Ungraded	
		Number	Per cent.	Number	Per cent.	Number	Per cent.	Number	Per cent.	Number	Per cent.	Number	Per cent.
1929-30..	1,087	30	2.76	243	22.36	537	49.40	44	4.04	205	18.86	28	2.58
1931-32..	1,108	72	6.50	319	28.79	442	39.89	25	2.26	232	20.94	18	1.62
1933-34..	1,202	117	9.73	465	38.69	449	37.35	6	.51	145	12.06	20	1.66
1935-36..	1,257	155	12.33	710	56.48	293	23.31	4	.33	81	6.44	14	1.11
1937-38..	1,298	216	16.72	856	66.25	144	11.15	2	.16	68	5.26	12	.46
1938-39..	1,297	221	17.04	914	70.47	97	7.48	3	.23	50	3.85	12	.93
1939-40..	1,375	250	18.19	1,010	73.45	74	5.38	......	......	34	2.47	7	.51

VIII. HIGH SCHOOL ENTRANCE EXAMINATION RESULTS

Year	Candidates		Successful Candidates						Percentage of those attempting the written test who were successful
	Number	Percentage of Grade VIII May Enrolment	By Recommendation		By Writing		Total		
			Number	Per cent.	Number	Per cent.	Number	Per cent.	
1919-20....	27,916	....	5,202	18.6	16,849	60.4	22,051	79.0	74.2
1924-25....	40,409	77.1	10,917	27.0	20,702	51.2	31,619	78.2	70.2
1929-30....	47,438	76.5	13,896	29.3	24,598	51.9	38,494	81.1	73.3
1934-35....	55,092	84.5	28,359	51.5	17,378	31.5	45,737	83.0	65.0
1937-38....	55,351	96.2	31,795	57.4	15,922	28.8	47,717	86.2	67.6
1938-39....	57,125	95.3	32,650	57.2	16,932	29.6	49,582	86.8	69.2

IX. FIFTH CLASSES

Year	Number of Schools Conducting Fifth Class Work	Fifth Class Enrolment in these Schools	Number of Fifth Classes Qualifying for Legislative Grant	Enrolment in Qualifying Fifth Classes	Grading			Distribution of Qualifying Classes, with Average Enrolment per Class						Legislative Grant
								Public				Separate		
								Counties		Districts				
					A	B	C	No.	Aver. Enrol.	No.	Aver. Enrol.	No.	Aver. Enrol.	
1919-20..	....	....	106	....	47	46	13	....	......	....	......	....	......	$18,993
1924-25..	468	....	193	1,878	93	69	31	108	7.8	46	8.7	39	16.0	28,396
1929-30..	1,773	9,911	342	2,529	113	108	121	176	5.6	102	5.8	64	14.6	47,507
1934-35..	1,716	10,732	541	4,332	149	155	237	306	6.4	124	5.5	106	12.6	56,643
1937-38..	1,521	10,914	523	3,955	159	160	204	271	7.4	146	5.4	106	10.9	70,857
1938-39..	1,452	9,811	520	4,082	161	166	193	260	7.6	150	5.7	110	11.2	63,300

X. SOME SALIENT EDUCATIONAL FEATURES—PROVINCES OF CANADA

Note:—The following figures are presented as a matter of interest. Because of the variations among Provincial Systems and the different methods of accounting, they are not strictly comparable. Figures have been taken from the Biennial Survey 1936-38 of the Dominion Bureau of Statistics, and the individual reports of the various Provinces.

Province	Comparative Size A	SCHOOLS	PUPILS			TEACHERS						FINANCES			Number of Days in School Year C	Compulsory School Ages
						Number			Certificates		Aver. Salary all Teachers	Cost per Pupil of Aver. Attend. B	Provincial Grants			
		Number	Enrolment All Provincial Schools	Average Attendance	Aver. Attend. as Percent of Enrolment	Total	Percent Male	Percent Female	Percent 1st Class or Higher	Percent 2nd Class or Lower			Amount	Per Pupil of Aver. Attend.		
MARITIMES—											$	$	$	$		
Prince Edward Island	.8	478	18,191	13,498	74.2	669	31	69	40	60	537	32.77	271,934	20.14	200	7–13
Nova Scotia	5.3	1,767D	116,438	93,231	80.0	3,398	16	84	41	59	772	44.17	688,073	7.38	200	7–13–15G
New Brunswick	4.3	N.A.	90,998	73,041	80.4	2,853	15	85	60	40	759	N.A.	519,639	5.71	190	7–12 H
Quebec	29.6	7,913E	646,380F	541,681	83.8	24,955	21	79	N.A.	N.A.	N.A.	N.A.	1,306,691	2.41	N.A.	None
Ontario	30.8	7,561	672,696	607,851	91.9	21,792	28	72	57	43	1,310	70.48	6,350,725	9.44	198	8–14–16
PRAIRIE PROVINCES—																
Manitoba	6.4	2,070	139,329	116,650	83.7	4,462	26	74	53	47	935	63.26	1,128,656	9.68	212	7–13
Saskatchewan	9.7	N.A.	211,298	173,205	82.3	7,401	34	66	76	24	692	37.86	2,310,660	13.34	200	7–14
Alberta	7.6	3,591	166,664	135,163	81.1	6,173	33	67	62	38	1,031	70.22	1,527,056	11.30	210	7–15
British Columbia	5.5	1,172	120,360	106,515	88.7	4,092	38	62	68	32	1,430	89.78	2,894,793	27.18	191	7–14
ALL CANADA J	100.0	24,552	2,182,354	1,860,835	85.3	75,792	26	74	40	60	728	43.20	16,998,227	9.13	....	....

A The enrolment for the Province expressed as a percentage of the enrolment for all Canada.
B It is intended that this figure include Current Operations and Capital Charges, but this is not always the case.
C In certain cases these figures are only approximate.
D Number of School Sections.
E Roman Catholic and Protestant Schools "under control" for 1936-37.
F For 1937.
G Compulsory Age 7 – 13 in Rural, 6 – 15 in Urban Municipalities.
H Becomes effective in each school district on resolution of Board of Trustees. Has certain variations between Rural and Urban.
J In certain cases these are just the totals of available data.
N.A. Figures not available.

THE PUBLIC AND SEPARATE SCHOOLS

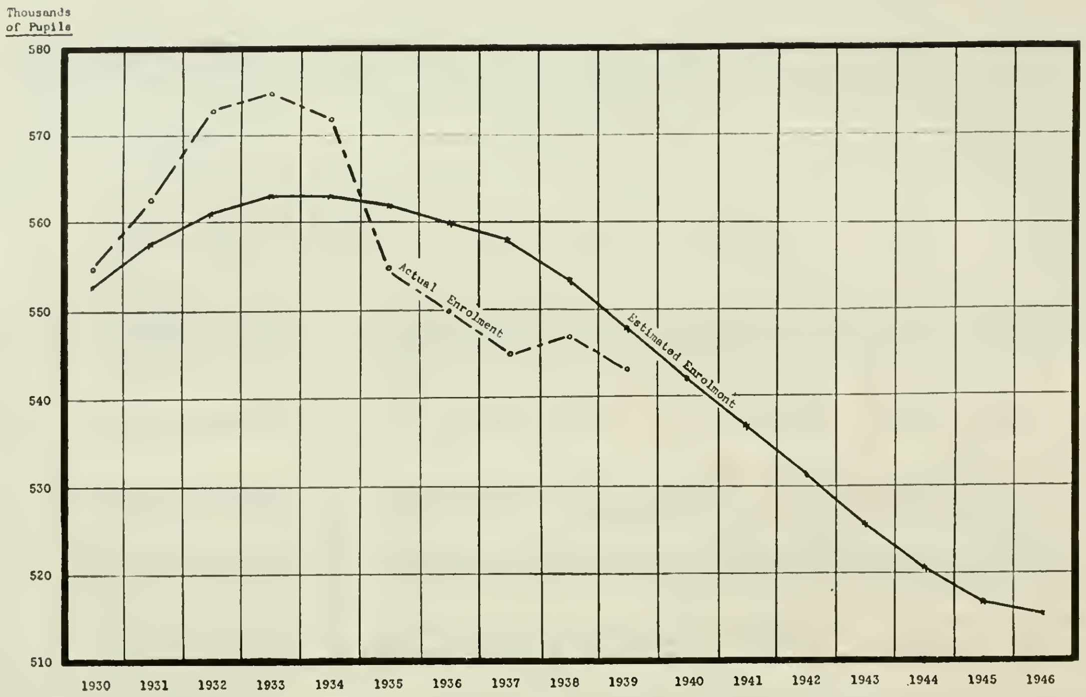
TABLE 1—ENROLMENT AND ATTENDANCE, 1938-39

RURAL SCHOOLS*	May Enrolment			Average Attendance for the School Year			Days Lost per Year per Pupil of May Enrolment			Attendance Efficiency Percentage		
	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total
In Counties												
Addington....	549	43	592	446	46	492	25.8	18.5	25.5	85.9	90.5	86.3
Brant........	1,994	....	1,994	1,688	....	1,688	20.4	......	20.4	88.9	......	88.9
Bruce........	3,113	485	3,598	2,614	432	3,046	19.9	17.1	19.3	89.1	91.2	89.5
Carleton......	3,266	1,356	4,622	2,781	1,292	4,073	21.4	19.2	20.8	73.9	89.8	78.3
Dufferin......	1,550	....	1,550	1,270	....	1,270	25.8	......	25.8	86.0	......	86.0
Dundas.......	1,691	24	1,715	1,414	22	1,436	21.4	6.1	21.2	90.7	96.7	90.8
Durham......	2,107	....	2,107	1,760	....	1,760	23.7	......	23.7	86.8	......	86.8
Elgin.........	3,004	....	3,004	2,517	....	2,517	23.9	......	23.9	87.2	......	87.2
Essex........	4,657	1,704	6,361	3,908	1,502	5,410	22.7	17.5	21.3	87.8	90.5	88.6
Frontenac.....	3,156	139	3,295	2,525	114	2,639	29.9	29.6	29.8	83.9	80.4	83.8
Glengarry.....	1,762	668	2,429	1,460	566	2,026	24.7	20.1	23.4	86.6	88.8	87.2
Grenville......	1,238	....	1,238	1,019	....	1,019	11.7	......	11.7	91.6	......	91.6
Grey.........	4,812	97	4,909	4,197	79	4,276	19.2	23.1	19.3	89.1	87.1	89.0
Haldimand....	1,954	....	1,954	1,624	....	1,624	19.9	......	19.9	89.2	......	89.2
Haliburton....	1,254	....	1,254	975	....	975	35.2	......	35.2	81.4	......	81.4
Halton.......	1,667	......	1,667	1,379	....	1,379	22.2	......	22.2	87.7	......	87.7
Hastings......	4,589	177	4,766	3,811	158	3,969	27.2	24.1	27.1	85.6	87.3	85.6
Huron........	4,076	209	4,285	3,552	183	3,735	19.3	13.3	19.1	89.8	92.2	89.8
Kent.........	4,649	452	5,101	3,871	377	4,248	25.0	22.2	24.8	86.7	87.8	86.8
Lambton......	3,950	40	3,990	3,319	15	3,334	23.2	27.7	23.3	87.5	84.1	87.5
Lanark.......	2,054	41	2,095	1,705	36	1,741	21.8	28.3	22.0	88.2	85.7	88.1
Leeds.........	2,681	22	2,703	2,300	17	2,317	24.5	35.5	24.6	87.0	80.7	86.2
Lennox.......	1,610	10	1,620	1,323	8	1,331	27 3	34.1	27.4	85.4	82.7	85.4
Lincoln.......	2,981	....	2,981	2,534	....	2,534	20.5	......	20.5	88.9	......	88.9
Middlesex.....	4,806	72	4,878	3,846	61	3,907	22.7	20.1	22.6	88.1	89.1	88.2
Norfolk.......	3,807	120	3,927	3,024	86	3,110	29.7	19.7	29.4	87.6	88.1	87.6
Northumberl'd	2,579	69	2,648	2,096	60	2,156	25.7	25.1	25.6	85.9	86.6	86.0
Ontario.......	3,455	61	3,516	2,867	51	2,918	22.3	26.7	22.4	87.8	85.6	87.7
Oxford........	3,649	....	3,649	3,056	....	3,056	18.6	......	18.6	94.0	....	94.0
Peel..........	2,575	5	2,580	2,099	6	2,105	22.9	19.0	22.9	87.5	92.7	87.5
Perth.........	3,286	310	3,596	2,733	283	3,016	18.5	16.3	18.1	89.9	91.4	90.1
Peterborough..	2,265	107	2,372	1,814	83	1,897	27.1	29.2	27.2	81.3	83.8	81.4
Prescott......	1,107	2,099	3,206	940	1,878	2,818	20.1	14.3	16.4	89.0	92.1	91.1
Prince Edward.	1,517	....	1,517	1,214	....	1,214	27.0	......	27.0	84.4	......	84.4
Renfrew......	4,036	637	4,673	3,105	556	3,661	27.5	18.7	26.3	84.9	89.8	85.6
Russell.......	715	2,256	2,971	679	2,031	2,710	19.0	13.1	14.5	89.8	88.5	88.9
Simcoe.......	5,596	283	5,879	4,615	153	4,768	25.1	15.7	24.6	78.9	91.8	79.5
Stormont.....	2,307	546	2,853	2,028	497	2,525	22.7	13.9	21.0	87.8	92.5	88.8
Victoria.......	1,960	68	2,028	1,584	55	1,639	26.7	18.6	26.5	85.2	89.5	85.3
Waterloo......	3,485	434	3,919	3,084	398	3,482	13.6	13.3	13.5	92.7	92.9	92.8
Welland......	2,884	....	2,884	2,448	....	2,448	20.3	......	20.3	89.0	......	89.0
Wellington....	3,468	127	3,595	2,928	114	3,042	20.1	17.0	20.0	89.0	90.7	89.1
Wentworth....	3,424	105	3,529	2,857	101	2,958	22.7	10.3	22.4	87.7	94.6	87.9
York.........	6,624	1,952	8,576	5,597	1,765	7,362	22.4	19.5	21.7	88.0	89.8	88.4
Totals and Averages..	127,909	14,718	142,627	106,606	13,025	119,631	22.9	17.1	22.3	87.0	90.1	89.6
In Districts												
Algoma.......	2,972	83	3,055	2,483	77	2,560	25.2	16.9	25.0	87.1	91.3	87.2
Cochrane.....	2,207	2,720	4,927	1,768	2,252	4,020	27.0	22.9	24.8	85.1	87.4	86.3
Kenora.......	1,228	37	1,265	1,006	30	1,036	19.3	14.1	19.1	89.3	91.1	89.4
Manitoulin....	1,170	80	1,250	942	72	1,014	25.7	24.9	25.6	85.8	86.7	86.5
Muskoka.....	2,163	93	2,256	1,779	61	1,840	25.2	43.6	25.9	86.4	74.1	86.5
Nipissing.....	1,930	1,792	3,722	1,567	1,490	3,057	22.2	16.5	19.4	87.0	91.0	89.1
Parry Sound...	2,809	25	2,834	2,313	19	2,332	25.9	37.8	26.0	86.0	79.0	86.0
Patricia.......	22	....	22	21	....	21	5.9	......	5.9	95.4	......	95.4
Rainy River...	1,758	77	1,835	1,410	63	1,473	25.6	22.0	25.4	85.9	87.7	85.8
Sudbury......	3,477	2,132	5,609	3,002	1,744	4,746	22.9	17.4	20.8	87.2	90.5	88.5
Timiskaming..	2,102	1,650	3,752	1,728	1,465	3,193	27.2	12.8	20.9	84.8	92.9	88.4
Thunder Bay..	3,083	74	3,157	2,584	69	2,653	23.7	15.3	23.5	87.3	92.0	87.4
Totals and Averages..	24,921	8,763	33,684	20,603	7,342	27,945	24.6	18.5	23.0	86.6	89.9	87.4
All Ordinary Rural.....	152,830	23,481	176,311	127,209	20,367	147,576	23.2	17.6	22.5	86.9	90.0	87.3

*Exclusive of large fully graded rural public schools listed below.

LARGE SUBURBAN AND SEMI-URBAN PUBLIC SCHOOLS

County	Township	School Section Number	Adjacent to	May Enrolment	Average Daily Attendance for the School Year	Days Lost per Year per pupil of May Enrolment	Attendance Efficiency Percentage
Brant.........	Brantford..........	3	Brantford......	283	261	18.9	90.4
Carleton.......	Nepean............	2	Ottawa.........	974	900	18.3	90.6
Essex..........	Sandwich East......	5	Windsor........	688	522	16.6	89.8
Lincoln........	Grantham..........	U5, 6	St. Catharines...	291	257	21.5	88.9
Ontario........	Whitby East........	10	Oshawa........	482	405	13.8	92.8



PROBABLE TREND IN ELEMENTARY SCHOOL ENROLMENT TO 1946
(excludes Fifth Form)

It will be noted that the economic conditions of the depression and the period of recovery have caused variations from the estimated enrolment as shown from 1930 to 1939. Since these influences are largely unpredictible, no attempt has been made to show their influence in the projected trend.

Graph 4.

TABLE 1—ENROLMENT AND ATTENDANCE, 1938-39

County	Township	School Section No.	Adjacent to	May Enrolment	Average Daily Attendance for the School Year	Days Lost per Year per pupil of May Enrolment	Attendance Efficiency Percentage
Peel	Toronto	7	Lakeview	582	458	17.9	89.7
Peterborough	Monaghan North	2	Peterborough	394	356	16.7	91.3
Welland	Stamford	4	Niagara Falls	273	250	17.9	90.8
	Stamford	6	Niagara Falls	514	438	15.5	91.5
	Stamford	7	Niagara Falls	268	250	15.1	92.4
	Bertie	11	Ridgeway	295	260	19.0	90.0
	Crowland	3	Welland	640	596	13.0	93.2
	Thorold	2	Thorold	264	256	8.2	95.9
Wentworth	Burlington Beach	....	Hamilton	242	222	17.1	91.2
York	Etobicoke	3	Lambton Mills	474	412	20.6	89.2
	Etobicoke	5	Weston	319	270	16.5	90.6
	Etobicoke	8	Islington	368	317	20.5	89.1
	Etobicoke	11	Humber Bay	454	419	17.1	91.3
	Etobicoke	16	Long Branch	508	461	20.7	89.5
	York	Twp.	Toronto	11,321	10,185	16.1	91.6
	York, East	Twp.	Toronto	6,002	5,267	15.9	91.5
	York, North	3	Toronto	1,422	1,265	19.2	91.1
	Scarboro	10	Toronto	868	774	19.5	89.9
	Scarboro	12	Toronto	809	714	16.4	91.4
	Scarboro	13	Toronto	413	376	16.0	91.8
	Scarboro	15	Toronto	545	474	17.6	90.5
Totals and Averages				29,693	26,365	16.6	91.2
District			*Centres*				
Cochrane	Tisdale	1	South Porcupine	716	663	16.0	91.9
	Tisdale	2a	Schumacher	749	690	9.2	95.1
Parry Sound	Himsworth	U4	Callander	245	205	18.5	89.8
Sudbury	Chapleau	1	Chapleau	165	145	16.6	91.2
	Snider and Creighton	U1	Creighton Mine	296	265	9.2	95.3
	Garson	3	Garson Mine	265	230	17.0	91.1
Timiskaming	Teck	Twp.	Kirkland Lake	2,341	2,152	13.3	93.0
Thunder Bay	Schreiber	1	Schreiber	181	168	11.3	94.1
Totals and Averages				4,958	4,518	13.3	93.0
All Large Suburban and Semi-Urban Schools				34,651	30,883	16.2	91.6

URBAN SCHOOLS

Cities	May Enrolment			Average Attendance for the School Year			Days Lost per Year per Pupil of May Enrolment			Attendance Efficiency Percentage		
	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total
In Counties												
Belleville	1,821	437	2,258	1,622	404	2,026	17.6	20.4	19.7	89.7	89.1	89.4
Brantford	3,713	698	4,411	3,467	649	4,116	13.2	10.8	12.8	93.2	94.2	93.5
Chatham	1,986	657	2,643	1,802	544	2,346	15.9	14.3	15.4	91.8	91.7	91.8
Galt	1,684	234	1,918	1,590	218	1,808	10.1	11.2	10.2	94.8	94.0	94.4
Guelph	2,455	875	3,330	2,245	804	3,049	15.5	13.3	14.9	92.0	93.1	92.4
Hamilton	19,831	4,459	24,290	17,952	4,228	22,180	16.9	9.9	15.6	91.2	94.8	91.8
Kingston	2,880	877	3,757	2,495	798	3,293	20.0	20.8	20.1	89.4	89.3	89.4
Kitchener	3,986	1,822	5,808	3,782	1,753	5,535	12.3	8.5	11.1	93.8	95.5	94.4
London	8,644	1,510	10,154	7,649	1,319	8,968	18.8	22.2	19.3	90.1	88.9	89.9
Niagara Falls	2,378	475	2,853	2,186	432	2,618	15.0	15.5	15.4	92.2	91.8	92.1
Oshawa	3,732	552	4,284	3,410	507	3,917	12.8	14.2	12.9	94.0	92.4	93.3
Ottawa	9,750	12,262	22,012	8,579	11,081	19,660	20.0	13.6	16.4	89.7	92.6	91.3
Owen Sound	2,064	156	2,220	1,912	142	2,054	15.4	15.6	15.5	92.4	91.7	92.2
Peterborough	2,718	1,019	3,737	2,498	925	3,423	16.8	15.4	16.5	91.4	91.8	91.6
St. Catharines	3,453	772	4,225	3,095	695	3,790	16.2	16.8	16.3	91.5	91.0	91.4
St. Thomas	1,801	261	2,062	1,648	234	1,882	15.8	22.3	16.6	92.0	88.4	91.2
Sarnia	2,359	531	2,890	2,160	481	2,641	14.0	14.3	14.1	92.7	92.4	92.7
Stratford	2,065	392	2,457	1,879	374	2,253	16.7	17.4	16.8	91.5	90.7	91.4
Toronto	79,275	11,739	91,014	70,273	10,563	80,836	18.2	17.7	18.1	90.5	96.4	90.6
Welland	1,837	....	1,837	1,709	....	1,709	14.7	......	14.7	92.5	......	92.5
Windsor	11,428	7,825	19,253	10,407	7,290	17,697	13.1	12.1	12.7	93.1	93.6	93.3
Woodstock	1,362	166	1,528	1,262	140	1,402	16.8	15.4	16.6	91.4	91.7	91.4
Totals and Averages	171,222	47,719	218,941	153,622	43,581	197,203	17.1	14.5	16.5	91.1	92.3	91.3
In Districts												
Fort William	3,162	1,180	4,342	2,939	1,096	4,035	10.2	11.1	10.4	94.7	94.1	94.6
North Bay	1,447	1,501	2,948	1,369	1,370	2,739	10.3	9.6	9.9	94.7	94.8	94.7
Port Arthur	2,485	671	3,156	2,299	620	2,919	13.2	13.8	13.3	93.2	92.8	93.1
Sault Ste. Marie	3,014	1,401	4,415	2,798	1,261	4,059	14.2	11.9	13.5	92.7	93.5	93.0
Sudbury	2,032	1,556	3,588	1,895	1,454	3,349	14.5	10.7	13.0	92.4	94.2	93.3
Totals and Averages	12,140	6,309	18,449	11,300	5,801	17,101	12.6	11.1	12.1	93.5	94.0	93.7
All Cities	183,362	54,028	237,390	164,922	49,382	214,304	16.8	14.1	16.2	91.3	92.5	91.5

TABLE 1—ENROLMENT AND ATTENDANCE, 1938-39

Towns	May Enrolment			Average Attendance for the School Year			Days Lost per Year per Pupil of May Enrolment			Attendance Efficiency Percentage		
	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total
In Counties												
Alexandria	48	473	521	42	430	472	17.2	15.7	15.9	90.6	91.6	91.3
Alliston	222	......	222	205	......	205	12.9	......	12.9	93.2	......	93.2
Almonte	252	112	364	232	102	334	16.7	10.8	15.3	91.2	94.2	92.1
Amherstburg	241	313	554	200	290	490	17.6	12.9	14.4	90.9	93.2	92.2
Arnprior	395	391	786	369	354	723	9.4	15.7	12.2	95.1	91.4	93.2
Aurora	407	......	407	370	......	370	15.3	......	15.3	92.0	......	92.0
Aylmer	389	......	389	351	......	351	18.5	......	18.5	90.4	......	90.4
Barrie	1,172	126	1,298	1,042	109	1,151	18.0	14.6	17.7	90.5	91.8	90.7
Blenheim	286	25	311	263	24	287	15.6	23.0	16.2	92.0	88.8	91.8
Bothwell	88	......	88	82	......	82	16.3	......	16.3	91.8	......	91.8
Bowmanville	539	......	531	494	......	494	17.6	......	17.6	91.0	......	91.0
Brampton	711	......	711	655	......	655	17.3	......	17.3	91.2	......	91.2
Brockville	1,206	250	1,456	1,118	217	1,335	15.9	13.9	15.6	91.9	92.2	91.9
Burlington	558	......	558	453	......	453	14.7	......	14.7	92.1	......	92.1
Campbellford	422	66	488	358	57	415	22.7	19.4	22.2	87.3	88.9	87.6
Carleton Place	609	......	609	552	......	552	12.4	......	12.4	93.3	......	93.3
Chesley	242	......	242	223	......	223	12.5	......	12.5	93.4	......	93.4
Clinton	207	......	207	191	......	191	15.2	......	15.2	92.2	......	92.2
Cobourg	619	185	804	563	168	731	17.8	15.4	17.3	90.6	91.8	91.0
Collingwood	849	44	893	750	37	787	17.9	17.7	17.9	90.5	90.0	90.4
Cornwall	924	2,838	3,762	842	2,524	3,366	11.0	14.8	13.9	94.0	91.7	92.4
Deseronto	173	......	173	155	......	155	28.9	......	28.9	85.8	......	85.8
Dresden	233	......	233	209	......	209	24.0	......	24.0	88.0	......	88.0
Dundas	647	96	743	565	90	655	17.9	15.9	17.6	90.4	91.7	90.7
Dunnville	525	......	525	466	......	466	11.6	......	11.6	94.1	......	94.1
Durham	251	......	251	231	......	231	18.0	......	18.0	90.8	......	90.8
Eastview	212	1,347	1,559	192	1,296	1,488	22.5	11.5	13.1	88.6	94.1	93.4
Elmira	329	......	329	321	......	321	7.9	......	7.9	96.0	......	96.0
Essex	283	50	333	255	43	298	16.6	16.5	16.6	91.3	90.9	91.3
Forest	184	......	184	165	......	165	14.7	......	14.7	92.1	......	92.1
Fort Erie	947	......	947	859	......	859	16.8	......	16.8	91.3	......	91.3
Gananoque	418	137	555	376	119	495	21.2	17.3	20.2	89.2	90.6	89.5
Georgetown	308	......	308	282	......	282	13.7	......	13.7	92.9	......	92.9
Goderich	542	59	601	493	53	546	17.9	11.3	17.1	90.9	94.2	91.3
Grimsby	296	......	296	273	......	273	14.9	......	14.9	92.3	......	92.3
Hanover	447	84	531	421	77	498	11.9	7.9	11.3	93.9	95.6	94.1
Harriston	226	......	226	209	......	209	12.9	......	12.9	93.3	......	93.3
Harrow	205	......	205	191	......	191	15.1	......	15.1	92.2	......	92.2
Hawkesbury	121	1,318	1,439	108	1,239	1,347	12.5	12.2	12.2	93.1	93.3	93.3
Hespeler	441	44	485	418	37	455	9.2	12.8	9.5	95.3	92.6	95.0
Ingersoll	722	89	811	640	78	718	21.7	19.9	21.4	88.8	89.7	88.9
Kincardine	335	......	335	311	......	311	15.5	......	15.5	92.1	......	92.1
Kingsville	434	......	434	367	......	367	23.4	......	23.4	87.6	......	87.6
LaSalle	54	171	225	37	158	195	27.2	16.3	17.3	86.9	91.5	90.6
Leamington	767	103	870	703	95	798	14.1	17.9	14.6	92.7	90.8	92.4
Leaside	533	......	533	462	......	462	16.3	......	16.3	91.2	......	91.2
Lindsay	918	195	1,113	841	165	1,006	14.7	20.0	17.0	92.4	89.3	91.9
Listowel	342	......	342	308	......	308	13.7	......	13.7	92.7	......	92.7
Meaford	345	......	345	327	......	327	11.7	......	11.7	94.0	......	94.0
Merritton	308	65	373	288	62	350	12.7	9.8	12.2	93.5	95.3	93.7
Midland	766	419	1,185	721	402	1,123	12.5	6.5	10.4	93.6	96.5	94.6
Milton	299	......	299	262	......	262	17.6	......	17.6	90.6	......	90.6
Mimico	1,046	258	1,304	943	240	1,183	14.8	21.1	16.1	92.2	89.4	91.6
Mitchell	252	......	252	218	......	218	16.4	......	16.4	91.0	......	91.0
Mount Forest	190	50	240	179	46	225	10.1	12.0	10.5	94.7	93.6	94.5
Napanee	455	......	455	414	......	414	20.0	......	20.0	90.0	......	90.0
Newmarket	532	46	578	478	43	521	14.5	20.4	15.0	92.3	89.7	92.1
New Toronto	1,182	......	1,182	1,102	......	1,102	18.4	......	18.4	90.8	......	90.8
Niagara	189	......	189	167	......	167	22.6	......	22.6	88.2	......	88.2
Oakville	487	46	533	208	40	248	19.8	13.5	19.3	89.4	92.5	89.7
Orangeville	321	......	321	291	......	291	22.2	......	22.2	88.8	......	88.8
Orillia	1,247	173	1,420	1,142	150	1,292	14.8	25.2	17.3	92.3	86.7	91.6
Palmerston	210	......	210	199	......	199	7.5	......	7.5	96.1	......	96.1
Paris	495	46	541	460	43	503	11.6	16.8	12.0	93.9	91.3	93.7
Parkhill	121	14	135	108	15	123	23.5	19.5	22.9	88.0	92.2	88.5
Pembroke	978	1,071	2,049	902	962	1,864	12.3	11.0	11.7	93.6	93.9	93.7
Penetanguishene	886	......	886	792	......	792	13.4	......	13.4	92.7	......	92.7
Perth	445	151	596	389	142	531	14.0	12.2	13.1	92.6	93.6	92.8
Petrolia	371	......	371	349	......	349	14.2	......	14.2	92.4	......	92.4
Picton	521	46	567	428	41	469	20.6	23.0	20.8	88.5	87.9	88.4
Port Colborne	1,380	......	1,380	1,295	......	1,295	14.0	......	14.0	92.9	......	92.9
Port Hope	717	......	717	629	......	629	11.9	......	11.9	93.5	......	93.5
Prescott	333	107	440	300	92	392	18.3	13.8	16.9	90.6	92.8	91.1
Preston	641	303	944	596	290	886	13.4	8.4	11.8	93.4	95.5	93.8
Renfrew	405	558	963	378	514	892	11.3	8.8	9.8	93.9	95.1	94.6
Ridgetown	269	......	269	232	......	232	17.0	......	17.0	91.1	......	91.1
Riverside	564	499	1,063	526	450	976	14.6	14.4	14.0	92.5	92.9	92.7
Rockland	21	498	519	19	454	473	12.3	11.9	11.9	93.5	93.6	93.6
St. Mary's	391	58	449	362	44	406	16.1	25.4	16.8	91.9	87.0	91.4
Seaforth	181	49	230	159	46	205	16.5	12.8	15.6	91.3	93.6	91.8
Simcoe	869	53	922	789	47	836	15.2	12.9	15.0	92.0	92.9	92.1

TABLE 1—ENROLMENT AND ATTENDANCE, 1938-39

Towns	May Enrolment			Average Attendance for the School Year			Days Lost per Year per Pupil of May Enrolment			Attendance Efficiency Percentage		
	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total
In Counties												
Smith's Falls	945	167	1,112	848	151	999	16.1	15.9	16.1	91.5	91.6	91.5
Southampton	228	......	228	213	......	213	12.9	......	12.9	93.3	......	93.3
Stayner	116	......	116	107	......	107	19.6	......	19.6	90.1	......	90.1
Strathroy	404	......	404	375	......	375	17.1	......	17.1	91.3	......	91.3
Tecumseh	65	561	626	63	517	580	22.1	14.9	15.7	89.6	92.1	91.9
Thornbury	108	......	108	95	......	95	14.0	......	14.0	92.5	......	92.5
Thorold	509	337	846	462	306	768	17.0	12.2	14.6	91.0	93.5	92.4
Tilbury	124	244	368	111	224	335	11.1	16.9	15.8	94.0	91.2	92.2
Tillsonburg	576	59	635	516	42	558	17.7	13.7	17.4	90.7	90.9	90.8
Trenton	972	217	1,189	889	201	1,090	15.0	13.6	14.7	92.2	92.8	92.3
Uxbridge	222	......	222	195	......	195	20.4	......	20.4	89.5	......	89.5
Vankleek Hill	74	226	300	65	207	272	23.3	12.9	15.5	88.0	92.8	91.6
Walkerton	217	213	430	186	211	397	14.6	11.5	13.3	91.9	93.9	93.0
Wallaceburg	580	427	1,007	532	372	904	13.2	18.7	15.6	92.9	89.9	91.8
Waterloo	1,073	404	1,477	995	379	1,374	11.4	11.8	11.5	94.0	93.8	93.9
Weston	750	205	955	634	186	820	18.8	18.8	18.8	89.7	90.2	89.8
Whitby	531	38	569	414	35	449	17.8	16.5	17.7	89.4	91.2	89.6
Wiarton	294	......	294	270	......	270	7.5	......	7.5	95.9	......	95.9
Wingham	245	......	245	222	......	222	9.5	......	9.5	95.0	......	95.0
Totals and Averages	46,729	16,124	62,853	42,057	14,716	56,773	15.5	13.7	15.0	91.9	92.6	92.1
In Districts												
Bala	77	......	77	59	......	59	18.5	......	18.5	88.5	......	88.5
Blind River	205	428	633	191	395	586	11.9	18.6	16.4	93.8	90.6	91.5
Bonfield	......	171	171	......	152	152	......	9.0	9.0	......	95.0	95.0
Bracebridge	387	......	387	357	......	357	19.3	......	19.3	90.3	......	90.3
Bruce Mines	105	......	105	96	......	96	19.6	......	19.6	90.0	......	90.0
Cache Bay	69	166	235	56	148	204	13.8	11.4	12.4	92.0	93.1	93.0
Capreol	363	......	363	339	......	339	12.5	......	12.5	93.5	......	93.5
Charlton	85	27	112	68	23	91	24.5	26.5	25.0	86.4	85.8	86.2
Chelmsford	......	219	219	......	198	198	......	14.2	14.2	......	92.6	92.6
Cobalt	370	342	712	325	307	632	14.8	10.5	12.7	92.0	94.2	93.0
Cochrane	347	363	710	320	315	635	10.3	13.1	11.7	94.6	92.6	93.6
Coniston	121	408	529	104	393	497	14.3	9.2	10.4	92.1	95.3	94.5
Copper Cliff	564	......	564	531	......	531	11.6	......	11.6	94.0	......	94.0
Dryden	348	......	348	330	......	330	14.5	......	14.5	92.7	......	92.7
Englehart	298	......	298	277	......	277	13.6	......	13.6	92.9	......	92.9
Fort Frances	960	433	1,393	855	384	1,239	14.3	12.0	13.5	92.3	93.3	92.8
Frood Mine	16	......	16	14	......	14	9.9	......	9.9	94.7	......	94.7
Geraldton	242	43	285	215	40	255	12.9	9.4	12.3	93.0	95.0	93.3
Gore Bay	138	......	138	123	......	123	17.7	......	17.7	90.6	......	90.6
Gravenhurst	359	......	359	330	......	330	18.1	......	18.1	90.8	......	90.8
Haileybury	252	161	413	234	132	366	17.0	13.6	15.6	91.4	91.9	91.6
Hearst	90	173	263	88	160	248	19.8	17.4	18.6	90.1	91.1	90.7
Huntsville	495	......	495	447	......	447	17.0	......	17.0	91.2	......	91.2
Iroquois Falls	218	244	462	203	236	439	10.8	5.9	8.2	94.3	96.9	95.7
Kapuskasing	447	595	1,042	417	553	970	12.9	8.7	10.5	91.1	95.3	94.5
Kearney	59	25	84	48	21	69	12.1	22.2	14.3	92.9	89.2	91.7
Keewatin	227	39	266	213	37	250	12.0	11.2	11.9	93.8	94.2	93.9
Kenora	1,010	234	1,244	958	211	1,169	13.0	16.3	13.6	93.3	91.2	92.9
Larder Lake	228	......	228	188	......	188	16.5	......	16.5	90.4	......	90.4
Latchford	74	......	74	70	......	70	12.6	......	12.6	93.7	......	93.7
Little Current	141	53	194	112	38	150	27.9	15.1	24.4	84.7	90.1	86.0
Massey	98	102	200	81	89	170	20.7	28.8	24.8	88.6	84.8	86.6
Matheson	116	......	116	93	......	93	21.5	......	21.5	87.8	......	87.8
Mattawa	45	379	424	36	318	354	29.4	25.8	26.0	84.8	86.1	85.9
Nesterville	55	......	55	50	......	50	15.0	......	15.0	92.3	......	92.3
New Liskeard	448	122	570	428	97	525	12.2	16.1	12.4	93.7	91.9	93.5
Parry Sound	624	......	624	558	......	558	16.7	......	16.7	91.2	......	91.2
Powassan	199	......	199	183	......	183	10.7	......	10.7	94.5	......	94.5
Rainy River	156	47	203	146	42	188	17.5	14.7	16.9	91.2	92.1	91.4
Sioux Lookout	327	112	439	310	106	416	9.2	13.7	10.4	95.1	93.0	94.6
Smooth Rock Falls	137	217	354	130	191	321	11.7	19.9	16.7	94.0	89.5	91.3
Sturgeon Falls	209	1,073	1,282	181	934	1,115	13.6	16.0	16.0	92.5	91.1	91.4
Thessalon	308	......	308	336	......	336	19.9	......	19.9	90.0	......	90.0
Timmins	2,315	2,571	4,886	2,102	2,386	4,488	14.8	12.9	13.8	92.2	93.1	92.7
Trout Creek	73	......	73	66	......	66	11.5	......	11.5	93.8	......	93.8
Webbwood	113	......	113	94	......	94	21.0	......	21.0	88.5	......	88.5
Totals and Averages	13.518	8,747	22,265	12,362	7,906	20,268	14.7	14.0	14.4	92.2	92.5	92.4
All Towns	60.247	24,871	85,118	54,419	22,622	77,041	15.3	13.8	14.9	92.0	92.6	92.2
Villages *In Counties*												
Acton	299	......	299	254	......	254	15.4	......	15.4	91.5	......	91.5
Ailsa Craig	54	......	54	47	......	47	18.5	......	18.5	90.1	......	90.1
Alvinston	90	......	90	81	......	81	18.9	......	18.9	90.3	......	90.3
Arkona	70	......	70	63	......	63	23.0	......	23.0	88.3	......	88.3

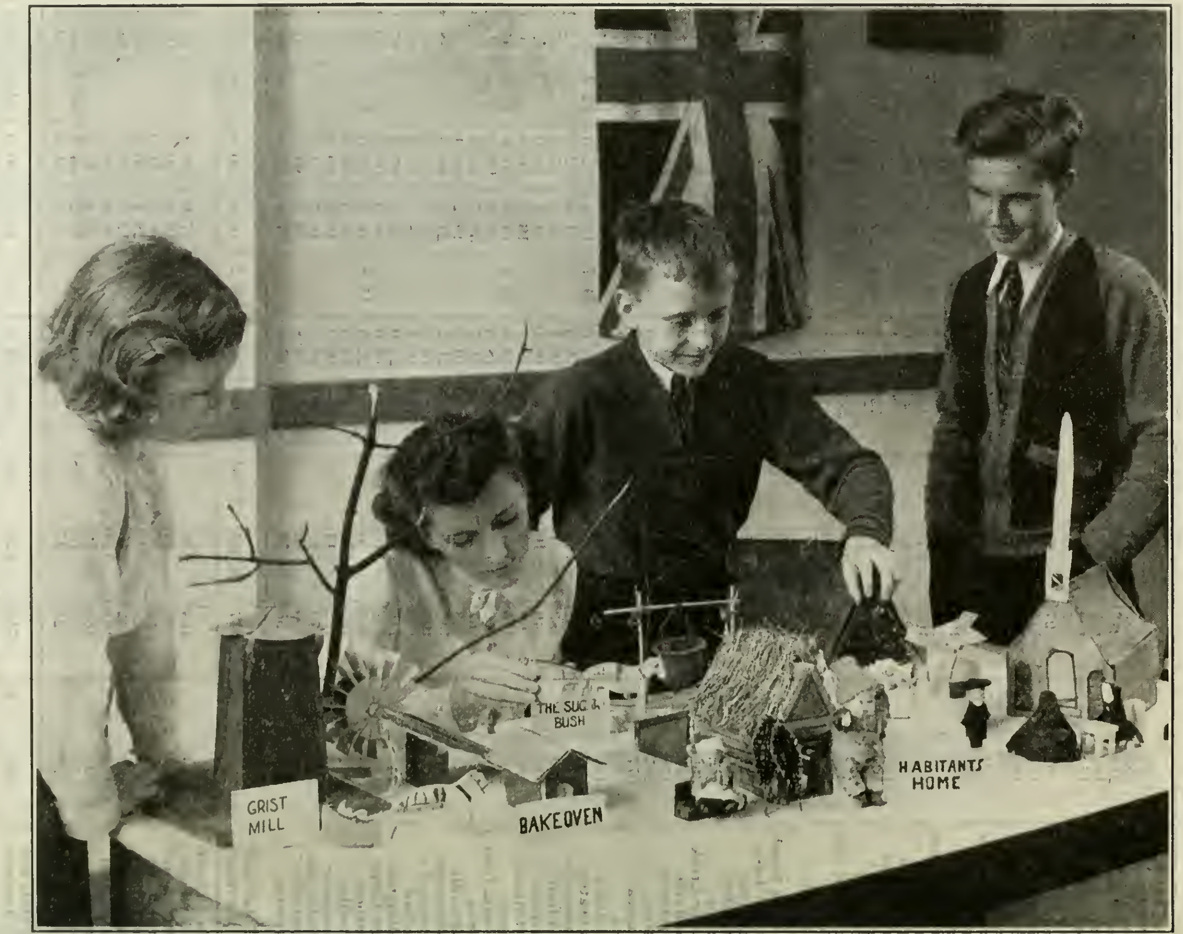
TABLE 1—ENROLMENT AND ATTENDANCE, 1938-39

Villages	May Enrolment			Average Attendance for the School Year			Days Lost per Year per Pupil of May Enrolment			Attendance Efficiency Percentage		
	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total
In Counties												
Arthur	114	66	180	105	61	166	14.4	14.6	14.5	92.6	92.4	92.5
Athens	109	....	109	106	....	106	14.8	......	14.8	92.3	......	92.3
Ayr	104	....	104	96	....	96	8.6	......	8.6	95.4	......	95.4
Bancroft	230	....	230	208	....	208	19.3	......	19.3	90.0	......	90.0
Barry's Bay	30	270	300	21	247	268	61.2	13.4	18.1	69.0	92.8	90.5
Bath	57	....	57	51	....	51	15.9	......	15.9	91.7	......	91.7
Beamsville	197	....	197	178	....	178	20.4	......	20.4	89.3	......	89.3
Beaverton	151	....	151	136	....	136	19.2	......	19.2	90.2	......	90.2
Beeton	94	....	94	89	....	89	14.7	......	14.7	92.4	......	92.4
Belle River	11	196	207	8	198	206	8.9	12.0	11.9	94.2	94.1	94.1
Bloomfield	116	....	116	89	....	89	22.2	......	22.2	87.1	......	87.1
Blyth	67	....	67	68	....	68	17.4	......	17.4	91.9	......	91.9
Bobcaygeon	138	....	138	127	....	127	13.1	......	13.1	93.1	......	93.1
Bolton	70	....	70	65	....	65	17.4	......	17.4	91.2	......	91.2
Bradford	119	....	119	101	....	101	19.5	......	19.5	89.4	......	89.4
Braeside	108	....	108	96	....	96	15.2	......	15.2	92.1	......	92.1
Brighton	224	....	224	202	....	202	20.2	......	20.2	89.6	......	89.6
Brussels	97	....	97	90	....	90	12.0	......	12.0	93.8	......	93.8
Caledonia	182	....	182	166	....	166	14.1	......	14.1	92.6	......	92.6
Cannington	83	....	83	78	....	78	14.9	......	14.9	92.4	......	92.4
Cardinal	243	....	243	222	....	222	15.8	......	15.8	91.6	......	91.6
Casselman	....	270	270	....	265	265	......	4.5	4.5	......	97.6	97.6
Cayuga	132	....	132	107	....	107	12.5	......	12.5	92.8	......	92.8
Chatsworth	46	....	46	42	....	42	9.9	......	9.9	94.7	......	94.7
Chesterville	145	38	183	131	35	166	10.3	12.9	10.2	94.3	93.0	94.1
Chippawa	215	....	215	182	....	182	15.1	......	15.1	92.2	......	92.2
Clifford	75	....	75	69	....	69	11.8	......	11.8	93.7	......	93.7
Cobden	97	....	97	86	....	86	21.7	......	21.7	88.7	......	88.7
Colborne	168	....	168	144	....	144	18.4	......	18.4	89.9	......	89.9
Coldwater	144	....	144	125	....	125	24.0	......	24.0	87.6	......	87.6
Courtright	64	....	64	53	....	53	31.9	......	31.9	84.3	......	84.3
Creemore	79	....	79	75	....	75	13.3	......	13.3	93.3	......	93.3
Delhi	248	127	375	226	121	347	18.3	22.6	20.2	90.6	87.9	89.8
Deloro	64	....	64	58	....	58	16.4	......	16.4	91.5	......	91.5
Drayton	66	....	66	60	....	60	12.1	......	12.1	93.5	......	93.5
Dundalk	99	....	99	94	....	94	9.3	......	9.3	95.2	......	95.2
Dutton	141	....	141	126	....	126	16.6	......	16.6	91.3	......	91.3
Eganville	117	125	242	108	110	218	18.5	7.1	12.6	90.7	95.8	93.3
Elora	157	29	186	146	28	174	14.0	10.1	13.4	92.8	94.0	93.2
Embro	70	....	70	61	....	61	13.1	......	13.1	92.5	......	92.5
Erieau	49	....	49	44	....	44	11.9	......	11.9	93.6	......	93.6
Erin	84	....	84	70	....	70	17.7	......	17.7	90.2	......	90.2
Exeter	205	....	205	196	....	196	11.4	......	11.4	94.2	......	94.2
Fenelon Falls	142	....	142	123	....	123	14.7	......	14.7	91.9	......	91.9
Fergus	380	30	410	364	27	391	12.3	15.8	12.5	93.7	91.6	93.6
Finch	105	....	105	87	....	87	11.6	......	11.6	92.8	......	92.8
Flesherton	73	....	73	65	....	65	13.8	......	13.8	92.6	......	92.6
Fonthill	159	....	159	152	....	152	16.9	......	16.9	91.6	......	91.6
Forest Hill	1,280	61	1,341	925	52	977	22.2	24.6	21.0	87.2	83.9	87.0
Frankford	150	....	150	142	....	142	16.4	......	16.4	90.4	......	90.4
Glencoe	150	....	150	115	....	115	20.8	......	20.8	88.2	......	88.2
Grand Valley	78	....	78	72	....	72	11.7	......	11.7	93.8	......	93.8
Hagersville	241	....	241	221	....	221	8.5	......	8.5	95.5	......	95.5
Hastings	102	42	144	91	39	130	22.0	12.8	19.4	88.6	93.7	90.0
Havelock	212	....	212	174	....	174	25.3	......	25.3	87.0	......	87.0
Hensall	80	....	80	75	....	75	13.5	......	13.5	92.8	......	92.8
Hepworth	51	....	51	45	....	45	13.5	......	13.5	92.8	......	92.8
Humberstone	544	....	544	507	....	507	14.8	......	14.8	92.4	......	92.4
Iroquois	105	....	105	91	....	91	12.0	......	12.0	93.3	......	93.3
Jarvis	87	....	87	86	....	86	17.1	......	17.1	91.1	......	91.1
Kemptville	185	....	185	172	....	172	12.8	......	12.8	93.4	......	93.4
Killaloe	54	110	164	47	97	144	26.0	13.4	17.5	86.7	92.2	90.3
Lakefield	252	....	252	226	....	226	17.0	......	17.0	91.1	......	91.1
Lanark	130	....	130	113	....	113	10.9	......	10.9	94.3	......	94.3
Lancaster	52	132	184	43	120	163	17.9	16.1	16.6	89.5	91.4	91.0
Lion's Head	71	....	71	65	....	65	25.4	......	25.4	87.6	......	87.6
Long Branch	808	....	808	728	....	728	20.9	......	20.9	89.3	......	89.3
L'Orignal	180	....	180	164	....	164	11.9	......	11.9	93.5	......	93.5
Lucan	104	....	104	93	....	93	15.7	......	15.7	91.7	......	91.7
Lucknow	140	....	140	130	....	130	12.4	......	12.4	93.6	......	93.6
Madoc	193	....	193	170	....	170	17.2	......	17.2	90.8	......	90.8
Markdale	119	....	119	106	....	106	11.0	......	11.0	93.9	......	93.9
Markham	164	....	164	150	....	150	15.2	......	15.2	92.1	......	92.1
Marmora	196	48	244	166	40	206	14.3	25.1	16.4	92.0	86.4	90.9
Maxville	122	....	122	106	....	106	18.4	......	18.4	90.1	......	90.1
Merrickville	135	....	135	122	....	122	16.7	......	16.7	91.3	......	91.3
Mildmay	60	120	180	49	114	163	9.3	7.7	8.1	94.7	95.9	95.4
Millbrook	131	....	131	116	....	116	21.6	......	21.6	88.6	......	88.6
Milverton	136	....	136	125	....	125	9.6	......	9.6	94.9	......	94.9
Morrisburg	229	....	229	207	....	207	10.8	......	10.8	94.1	......	94.1
Neustadt	93	....	93	83	....	83	12.8	......	12.8	92.1	......	92.1
Newboro	55	....	55	50	....	50	22.9	......	22.9	88.6	......	88.6
Newburgh	71	....	71	58	....	58	20.7	......	20.7	88.6	......	88.6

TABLE 1—ENROLMENT AND ATTENDANCE, 1938-39

Villages	May Enrolment			Average Attendance for the School Year			Days Lost per Year per Pupil of May Enrolment			Attendance Efficiency Percentage		
	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total	Public	Separate	Total
In Counties												
Newbury	67	....	67	61	....	61	26.6	......	26.6	86.8	......	86.8
Newcastle	83	....	83	73	....	73	21.4	......	21.4	88.9	......	88.9
New Hamburg	213	....	213	206	....	206	8.6	......	8.6	95.6	......	95.6
Norwich	182	....	182	162	....	162	19.6	......	19.6	89.8	......	89.8
Norwood	154	....	154	131	....	131	21.0	......	21.0	88.6	......	88.6
Oil Springs	85	....	85	72	....	72	23.3	......	23.3	87.6	......	87.6
Omemee	97	....	97	83	....	83	17.8	......	17.8	90.3	......	90.3
Paisley	115	....	115	106	....	106	14.8	......	14.8	92.3	......	92.3
Point Edward	183	....	183	169	....	169	15.2	......	15.2	92.2	......	92.2
Port Credit	333	....	333	292	....	292	15.0	......	15.0	91.9	......	91.9
Port Dalhousie	224	73	297	207	68	275	14.0	14.1	14.0	92.8	92.3	92.6
Port Dover	290	....	290	259	....	259	20.7	......	20.7	89.3	......	89.3
Port Elgin	193	....	193	178	....	178	13.0	......	13.0	93.3	......	93.3
Port McNichol	217	....	217	201	....	201	16.1	......	16.1	91.8	......	91.8
Port Perry	163	....	163	153	....	153	11.5	......	11.5	94.0	......	94.0
Port Rowan	95	....	95	83	....	83	18.9	......	18.9	90.2	......	90.2
Port Stanley	103	....	103	90	....	90	23.1	......	23.1	87.9	......	87.9
Portsmouth	108	45	153	92	44	136	25.3	14.2	22.1	86.7	93.1	88.6
Richmond	80	....	80	74	....	74	15.4	......	15.4	92.1	......	92.1
Richmond Hill	267	....	267	239	....	239	22.1	......	22.1	88.7	......	88.7
Ripley	54	....	54	48	....	48	15.1	......	15.1	92.1	......	92.1
Rockcliffe	141	....	141	117	....	117	30.4	......	30.4	84.4	......	84.4
Rodney	88	....	88	80	....	80	17.4	......	17.4	91.0	......	91.0
St. Clair Beach	55	....	55	40	....	40	27.5	......	27.5	84.9	......	84.9
Shallow Lake	81	....	81	70	....	70	14.4	......	14.4	92.2	......	92.2
Shelburne	127	....	127	115	....	115	21.7	......	21.7	89.0	......	89.0
Springfield	89	....	89	76	....	76	20.3	......	20.3	89.1	......	89.1
Stirling	143	....	143	132	....	132	11.3	......	11.3	94.1	......	94.1
Stoney Creek	256	....	256	190	....	190	30.9	......	30.9	83.9	......	83.9
Stouffville	174	....	174	153	....	153	19.2	......	19.2	90.0	......	90.0
Streetsville	158	....	158	128	....	128	20.8	......	20.8	88.3	......	88.3
Sutton	207	....	207	183	....	183	25.3	......	25.3	87.2	......	87.2
Swansea	677	35	712	615	32	647	16.6	14.1	16.4	91.4	92.6	91.4
Tara	56	....	56	50	....	50	9.4	......	9.4	94.8	......	94.8
Tavistock	126	....	125	111	....	111	10.7	......	10.7	94.1	......	94.1
Teeswater	86	37	123	80	32	112	13.6	14.7	13.8	92.9	92.4	92.7
Thamesville	141	....	141	134	....	134	14.6	......	14.6	92.9	......	92.9
Thedford	83	....	83	81	....	81	16.1	......	16.1	87.8	......	87.8
Tiverton	49	....	49	46	....	46	14.1	......	14.1	92.9	......	92.9
Tottenham	93	....	93	86	....	86	19.1	......	19.1	90.4	......	90.4
Tweed	213	106	319	194	94	288	15.8	13.1	14.8	91.6	92.8	91.9
Victoria Harb'r	220	....	220	189	....	189	18.5	......	18.5	90.5	......	90.5
Vienna	67	....	67	53	....	53	31.7	......	31.7	82.9	......	82.9
Wardsville	53	....	53	40	....	40	19.2	......	19.2	88.4	......	88.4
Waterdown	140	....	140	126	....	126	21.2	......	21.2	88.8	......	88.8
Waterford	199	....	199	183	....	183	16.5	......	16.5	91.5	......	91.5
Watford	155	....	155	134	....	134	18.1	......	18.1	90.0	......	90.0
Wellington	246	....	246	210	....	210	22.9	......	22.9	87.4	......	87.4
West Lorne	158	....	158	146	....	146	18.0	......	18.0	90.9	......	90.9
Westport	54	91	145	50	80	130	22.5	15.8	18.3	89.0	91.8	90.5
Wheatley	161	....	161	152	....	152	14.5	......	14.5	92.6	......	92.6
Winchester	165	....	165	144	....	144	19.2	......	19.2	89.8	......	89.8
Woodbridge	173	....	173	147	....	147	16.7	......	16.7	91.3	......	91.3
Woodville	59	....	59	52	....	52	14.8	......	14.8	91.2	......	91.2
Wyoming	56	....	56	52	....	52	17.8	......	17.8	91.1	......	91.1
Totals and Averages	21,396	2,051	23,447	19,025	1,904	20,929	17.2	13.2	16.9	90.8	93.0	91.1
In Districts												
Burk's Falls	154	....	154	138	....	138	17.9	......	17.9	90.3	......	90.3
Hilton Beach	47	....	47	40	....	40	19.8	......	19.8	90.0	......	90.0
Port Carling	89	....	89	80	....	80	16.2	......	16.2	91.5	......	91.5
Port Sydney	28	....	28	25	....	25	28.1	......	28.1	86.3	......	86.3
Rosseau	42	....	42	40	....	40	12.8	......	12.8	93.3	......	93.3
South River	161	....	161	144	....	144	20.4	......	20.4	89.5	......	89.5
Sundridge	138	....	138	116	....	116	20.4	......	20.4	87.2	......	87.2
Thornloe	18	35	53	15	28	43	30.0	14.5	19.2	84.7	91.7	89.0
Windermere	28	....	28	25	....	25	9.4	......	9.4	94.4	......	94.4
Totals and Averages	705	35	740	623	28	651	18.9	14.5	18.6	90.0	91.6	90.1
All Villages	22,092	2,086	24,178	19,641	1,932	21,573	17.3	13.2	17.0	90.8	93.0	91.0
All Urban	265,701	80,985	346,686	238,982	73,936	312,918	16.5	14.0	15.9	91.4	92.5	91.6
Grand Totals	453,182	104,466	557,648	397,074	94,303	491,377	18.7	14.8	18.0	89.9	92.0	90.3
Increase for Year	....	1,961	634	....	....	....	2.3	2.2	2.3	......	......	......
Decrease for Year	1,327	....	....	*7,808	57	7,865	......	......	......	1.3	.8	1.2

* Due to Poliomyelitis epidemic.


GRIST MILL
THE SUGAR BUSH
BAKEOVEN
HABITANTS HOME

Project Work in a Toronto Class Room.

ELEMENTARY TEACHERS—SUPPLY AND DEMAND

TABLE 2—STATISTICS OF TEACHING STAFF AND SUPPLY AND DEMAND FOR TEACHERS, SEPTEMBER, 1940

Figures from reports of Public and Separate School Inspectors. In the case of Number of Teachers and Certificates the figures are subject to later revision.

	Public Schools				Roman Catholic Separate Schools	All Elementary Schools
	City Inspectorates	County Inspectorates	District Inspectorates	Total		
1. Total Number of Teachers Employed	3,951	8,509	1,959	14,419	3,059	17,478
2. Total Number of Teachers by Certificates:						
(a) Classroom Teachers—						
First Class	2,109	5,518	1,268	8,895	1,071	9,966
Second Class	1,145	2,688	578	4,411	1,790	6,201
Third Class	....	7	7	14	50	64
District	....	1	....	1	....	1
Permanent Ungraded	....	....	....	....	41	41
Temporary	4	12	16	32	38	70
(b) Special Teachers—						
Music (A)	16	20	11	47	12	59
Art	5	2	5	12	3	15
Manual Training	90	23	8	121	7	128
Home Economics	84	23	4	111	17	128
Auxiliary	168	41	24	233	25	258
Physical Training	9	1	....	10	2	12
Kindergarten Director	140	27	1	168	....	168
Other Kindergarten	162	132	36	330	2	332
Others (B)	19	14	1	34	1	35
3. Number of Vacancies at Midsummer, 1940	158	1,990	526	2,674	347	3,021
4. Vacancies as a percentage of the teaching positions, i.e. turnover	4.0	23.5	26.9	18.5	11.3	17.3
5. Teachers leaving the Profession during or at the end of the school year 1939-40:						
(a) Superannuated	60	41	3	104	11	115
(b) Married	118	469	95	682	83	765
(c) Further Training	4	43	6	53	3	56
(d) Other Occupations	22	137	45	204	47	251
(e) Death or Disability	22	19	9	50	8	58
(f) On active service with His Majesty's Forces	13	51	26	90	2	92
(g) Sundry	2	25	2	29	2	31
Total Leaving	241	785	186	1,212	156	1,368
6. Above vacancies filled by:						
(a) Beginners to teaching profession	37	691	137	865	160	1,025
(b) Unemployed Teachers, and those with teaching qualifications, previously employed in other occupations	204	114	49	347	....	343
						1,368
7. Number of known unemployed in September 1940	124	41	13	178	51	229
8. Number qualifying as Teachers in June 1940	....	....	....	....	....	1,100

A Excludes itinerant music teachers.
B Includes teachers on exchange and some unclassified.

TABLE 3—DISTRIBUTION OF TEACHERS BY CERTIFICATES, 1938-39

(A) RURAL

Rural Schools	TEACHERS						CERTIFICATES																										University Graduates		Music Teachers	
	Public			Separate			GENERAL												SPECIAL																	
							First Class		Second Class		Third Class		District		P. U.	Temporary		Kindergarten Director	Kindergarten Assistant and Prim'ry		Manual Training		Home Economic		Auxiliary Class		Art		Physical Training					
	T.	M.	F.	T.	M.	F.	P.	S.	P.	S.	P.	S.	P.	S.	S.	P.	S.	P.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.
In Counties																																		
Addington	28	5	23	2	...	2	17	2	11	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	...	...	...	...	2	...	2	...
Brant	79	19	60	...	...	...	55	...	23	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...	...	...	1	...	...	...	...	...	6	...
Bruce	166	36	130	15	2	13	121	4	45	11	...	...	...	...	...	...	...	...	...	...	2	2	5	4	...	...	...	...	...	...	...	...	15	1
Carleton	163	37	126	45	4	41	107	9	56	35	...	...	...	...	...	...	1	...	...	...	6	...	13	...	...	...	1	...	...	...	...	...	7	...
Dufferin	88	14	74	...	...	...	51	...	37	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	3	...
Dundas	80	26	54	1	...	1	48	1	32	...	...	...	...	...	...	...	...	...	...	...	8	...	10	...	...	...	...	...	...	...	...	...	4	...
Durham	101	35	66	...	...	...	74	...	27	...	...	...	...	...	...	...	...	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	9	...
Elgin	125	25	100	...	...	...	88	...	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	17	...
Essex	150	25	125	55	3	52	89	13	60	40	1	...	...	...	...	...	2	...	...	...	1	...	1	...	...	...	5	1	...	...	4	1	15	2
Frontenac	148	36	112	10	1	9	85	5	62	5	...	...	1	...	...	...	...	...	...	...	1	...	3	1	...	...	...	...	...	...	2	...	9	3
Glengarry	78	17	61	27	3	24	29	10	49	12	...	2	...	...	1	...	2	...	...	...	1	1	2	...	...	...	...	...	...	...	...	2	4	4
Grenville	72	13	59	...	...	...	40	...	32	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	2	1
Grey	224	53	171	8	1	7	150	6	74	2	...	...	...	...	...	...	...	...	...	...	3	...	9	...	...	...	...	...	...	...	...	...	13	1
Haldimand	82	9	73	...	...	...	64	...	18	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	2	...	4	...
Haliburton	62	28	34	...	...	...	30	...	30	...	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	...	...	1	...	2	...
Halton	70	5	65	...	...	...	47	...	23	...	...	...	...	...	...	...	...	...	...	...	5	...	6	...	...	...	...	...	...	...	1	...	12	...
Hastings	198	46	152	7	1	6	124	3	74	4	...	...	...	...	...	...	...	...	...	...	3	1	5	1	...	...	1	...	...	...	2	...	13	2
Huron	200	51	149	10	...	10	151	3	49	7	...	...	...	...	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	3	...	17	2
Kent	157	28	129	15	4	11	104	8	53	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	12	2
Lambton	179	31	148	2	...	2	112	1	67	1	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	1	...	13	...
Lanark	124	12	112	3	...	3	72	...	51	3	1	...	...	...	...	...	...	...	...	...	6	...	5	...	...	...	...	...	...	...	...	...	7	2
Leeds	146	19	127	2	...	2	61	...	85	2	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	2	...	5	2
Lennox	87	13	74	1	...	1	49	1	38	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...
Lincoln	103	27	76	...	...	...	74	...	29	...	...	...	...	...	...	...	...	...	...	...	11	...	15	...	...	...	3	...	...	...	2	...	9	...
Middlesex	207	43	164	4	...	4	134	1	72	3	...	...	...	...	...	...	...	...	1	...	1	...	3	...	...	...	...	...	...	...	...	...	14	2
Norfolk	110	30	80	3	...	3	71	1	39	2	...	...	...	...	...	...	...	...	...	...	2	...	6	...	...	...	...	...	...	...	...	...	8	1
Northumberland	115	22	93	5	...	5	75	1	40	4	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	...	...	10	2
Ontario	149	40	109	2	1	1	90	1	58	1	...	...	...	...	...	...	...	...	1	...	3	...	6	...	...	...	...	...	...	...	...	...	6	...
Oxford	132	33	99	...	...	...	99	...	33	...	...	...	...	...	...	...	...	...	...	...	4	...	6	...	...	...	1	...	...	...	...	...	13	2
Peel	107	27	80	1	...	1	71	1	35	...	...	...	...	...	...	...	...	...	...	...	6	...	7	1	1	...	2	...	...	...	...	...	13	...
Perth	119	25	94	16	...	16	95	9	24	7	...	...	...	...	...	...	...	...	...	...	4	2	4	2	...	...	...	...	...	...	1	...	13	4
Peterborough	111	28	83	5	1	4	81	3	29	2	1	...	...	...	...	...	...	...	...	...	1	...	5	...	...	...	...	...	...	...	...	...	8	3

TABLE 3—DISTRIBUTION OF TEACHERS BY CERTIFICATES, 1938-1939

(A) RURAL (Continued)

Rural Schools	TEACHERS						CERTIFICATES																								University Graduates		Music Teachers	
	Public			Separate			GENERAL											SPECIAL																
							First Class		Second Class		Third Class		District		P. U.	Temporary		Kindergarten			Manual Training		Home Economics		Auxiliary Class		Art		Physical Training					
																		Director	Assistant and Primary															
	T.	M.	F.	T.	M.	F.	P.	S.	P.	S.	P.	S.	P.	S.	S.	P.	S.	P.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.
Prescott	55	3	52	81	10	71	26	10	21	55	6	12	...	...	2	...	4	...	...	...	1	...	4	...	...	...	...	...	...	...	...	...	1	...
Prince Edward	73	23	50	...	...	...	55	...	18	...	...	...	...	...	...	...	...	...	...	...	12	...	4	...	...	...	...	...	...	...	...	...	4	...
Renfrew	173	37	136	28	2	26	93	11	78	16	1	1	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	6	6
Russell	34	14	20	77	14	63	21	1	13	59	...	9	...	...	1	...	7	...	...	...	5	...	1	...	...	...	...	...	...	...	...	1	2	...
Simcoe	242	62	180	9	1	8	150	...	91	9	...	...	...	...	...	1	...	...	...	...	10	...	6	1	...	...	...	...	...	...	4	...	21	2
Stormont	91	15	76	19	1	18	52	9	39	10	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	1	...	...	2	...	3	4
Victoria	110	20	90	3	...	3	71	3	39	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	5	1
Waterloo	110	35	75	14	...	14	80	6	30	7	...	...	...	...	1	...	...	...	...	...	7	4	1	3	...	...	2	...	...	...	...	...	9	3
Welland	159	39	120	...	...	...	99	...	55	...	...	...	...	...	...	...	...	...	4	...	9	...	7	...	1	...	4	...	...	...	4	...	16	...
Wellington	154	36	118	7	1	6	116	2	38	5	...	...	...	...	...	...	...	...	...	...	7	...	9	1	...	...	1	...	...	...	...	...	9	...
Wentworth	112	21	91	3	...	3	75	2	37	1	...	...	...	...	...	...	...	...	...	...	17	...	24	...	...	...	1	1	...	...	2	...	13	1
York	833	236	597	53	2	51	428	15	385	37	...	...	...	...	...	...	1	3	8	...	17	1	15	3	3	...	25	...	...	...	13	2	52	3
Totals	6,106	1,399	4,707	533	52	481	3,824	142	2,236	347	10	24	1	...	5	1	17	3	18	...	175	13	225	19	5	...	47	3	...	...	53	7	425	56
In Districts																																		
Algoma	109	42	67	15	4	11	76	6	33	7	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	4	...	...	...	1	...	10	1
Cochrane	125	39	86	93	25	68	80	6	42	50	1	26	...	...	...	...	11	...	1	...	...	...	2	...	...	...	...	...	...	...	...	3	5	1
Kenora	43	17	26	1	...	1	34	...	9	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	4	...	...	...	1	...	6	2
Manitoulin	47	18	29	2	1	1	14	2	33	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3	...
Muskoka	101	31	70	2	2	...	68	1	33	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	4	...
Nipissing	75	20	55	58	12	46	35	5	31	40	4	7	...	...	1	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Parry Sound	138	49	89	1	...	1	81	1	57	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	2	...	...	...	...	...	9	...
Rainy River	75	24	51	2	2	...	44	1	31	1	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	2	...
Sudbury	141	47	94	72	22	50	71	16	60	45	6	5	...	...	...	4	6	...	...	...	2	...	...	1	...	...	...	...	...	...	4	3	6	...
Timiskaming	148	42	106	47	8	39	94	13	53	29	1	2	...	...	...	...	3	...	...	...	1	...	...	...	...	...	5	1	...	...	3	1	16	2
Thunder Bay	128	45	83	2	...	2	104	1	24	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	4	...
Totals	1,130	374	756	295	76	219	701	52	406	175	12	41	...	...	1	9	26	...	1	...	10	...	5	1	...	...	15	1	...	...	9	7	65	6
Totals, Rural	7,236	1,773	5,463	828	128	700	4,525	194	2,642	522	22	65	1	...	6	10	43	3	19	...	185	13	230	20	5	...	62	4	...	...	62	14	490	62

TABLE 3—DISTRIBUTION OF TEACHERS BY CERTIFICATES, 1938-1939

(B) URBAN

Urban Schools	TEACHERS						CERTIFICATES																								University Graduates		Music Teachers	
							General											Special																
	Public			Separate			First Class		Second Class		Third Class		District		P. U.	Temporary		Kindergarten			Manual Training		Home Economics		Auxiliary Class		Art		Physical Training					
																		Director	Assistant and Primary															
	T.	M.	F.	T.	M.	F.	P.	S.	P.	S.	P.	S.	P.	S.	S.	P.	S.	P.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.
CITIES *In Counties*																																		
Belleville	48	13	35	13	1	12	26	6	21	6	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	4	1	...	...	1	1	4	1
Brantford	100	16	84	18	...	18	40	6	41	12	...	...	...	...	...	...	...	...	9	...	1	...	1	...	3	...	...	1	...	...	3	...	1	2
Chatham	59	11	48	14	...	14	18	4	30	10	...	...	...	...	...	...	...	3	3	...	1	...	1	...	2	...	1	2	...	...	4	...	1	...
Galt	47	13	34	6	...	6	9	3	31	3	...	...	...	...	...	...	...	...	5	...	...	...	...	1	1	...	...	1	...	...	2	1	1	1
Guelph	63	12	51	21	...	21	33	3	18	18	...	...	...	...	...	...	...	...	5	...	2	...	1	...	3	...	4	...	...	...	...	...	1	1
Hamilton	552	93	459	134	13	121	340	50	139	62	...	...	...	...	9	...	...	30	11	...	9	3	7	3	11	5	1	...	3	1	83	11	2	1
Kingston	70	12	58	26	1	25	30	10	31	15	...	...	...	...	...	...	...	...	6	...	1	2	1	1	...	...	2	1	...	...	10	1	1	2
Kitchener	115	27	88	55	9	46	47	26	35	23	...	...	...	...	...	...	...	...	15	...	3	1	5	7	4	1	1	2	2	1	...	6	2	2
London	246	58	188	49	3	46	145	25	49	20	...	...	...	...	...	...	...	12	11	...	6	2	6	1	16	...	...	...	1	...	31	...	1	1
Niagara Falls	66	11	55	11	...	11	28	3	33	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	1	...	1	...	1	...
Oshawa	86	15	71	13	1	12	33	4	48	9	...	...	...	...	...	...	...	...	4	...	1	...	...	...	1	...	...	1	...	...	6	...	1	1
Ottawa	301	76	225	357	80	277	190	124	83	203	...	18	...	4	1	...	...	...	12	...	3	2	4	1	2	1	4	...	3	...	65	19	1	1
Owen Sound	56	14	42	4	...	4	24	2	22	1	...	...	...	...	1	...	...	3	5	...	...	...	1	...	...	...	4	1	...	...	...	...	4	1
Peterborough	79	17	62	33	...	33	34	13	34	20	...	...	...	...	...	...	...	...	6	...	1	...	1	1	1	...	1	3	...	...	4	...	2	2
St. Catharines	93	19	74	21	1	20	39	6	36	15	...	...	...	...	...	...	...	...	9	...	1	...	1	...	5	...	5	2	...	...	...	...	1	1
St. Thomas	55	15	40	8	...	8	33	3	18	5	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2	...	4	...	...	...	2	...	3	1
Sarnia	68	15	53	15	...	15	29	5	30	9	...	...	...	...	...	...	...	1	2	...	2	...	2	...	3	...	...	1	...	...	2	1	4	2
Stratford	63	14	49	13	...	13	22	2	34	10	...	1	...	...	...	...	...	...	4	...	1	...	1	1	...	...	...	1	...	...	...	...	1	2
Toronto	2,107	558	1,549	303	29	274	1,018	53	722	233	...	2	...	...	4	...	...	92	68	1	55	...	50	...	84	10	6	2	3	...	274	7	8	1
Welland	55	12	43	...	...	...	22	...	26	...	...	...	...	...	...	...	...	2	3	...	...	...	...	...	1	...	1	...	1	...	1	...	1	...
Windsor	313	76	237	181	15	166	136	42	126	134	...	3	...	...	2	...	...	1	28	...	4	...	3	...	10	...	7	...	...	...	33	5	7	...
Woodstock	39	9	30	4	...	4	18	1	10	3	...	...	...	...	...	...	...	...	8	...	...	...	...	...	2	...	...	1	...	...	...	...	1	1
Totals	4,681	1,106	3,575	1,299	153	1,146	2,314	391	1,617	819	...	24	...	4	17	...	...	144	217	1	91	11	85	17	154	17	47	20	14	2	522	52	49	24

TABLE 3—DISTRIBUTION OF TEACHERS BY CERTIFICATES, 1938-1939

(B) URBAN (Continued)

Urban Schools	TEACHERS						CERTIFICATES																											
							General											Special																
	Public			Separate			First Class		Second Class		Third Class		District		P. U.	Temporary		Kindergarten			Manual Training		Home Economics		Auxiliary Class		Art		Physical Training		University Graduates		Music Teachers	
																		Director	Assistant and Primary															
	T.	M.	F.	T.	M.	F.	P.	S.	P.	S.	P.	S.	P.	S.	S.	P.	S.	P.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.	P.	S.
In Districts																																		
Fort William	98	25	73	28	...	28	52	9	25	19	...	...	...	...	...	...	...	...	16	...	...	...	...	...	4	...	2	2	...	...	3	...	1	2
North Bay	45	13	32	36	1	35	32	8	13	28	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	...	1	...	...	2
Port Arthur	75	17	58	21	...	21	55	6	7	14	...	...	...	...	1	...	...	...	6	...	...	...	...	...	2	...	3	1	...	...	7	...	4	1
Sault Ste. Marie	80	17	63	26	...	26	30	9	38	16	...	...	...	...	1	...	...	...	9	...	...	...	...	1	3	...	5	5	...	...	...	...	7	3
Sudbury	52	8	44	58	7	51	30	19	22	37	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	2	5	2
Totals	350	80	270	169	8	161	199	51	105	114	...	1	...	...	3	...	...	...	31	...	...	...	...	2	9	...	12	10	...	...	13	2	17	10
Totals, Cities	5,031	1,186	3,845	1,468	161	1,307	2,513	442	1,722	933	...	25	...	4	20	...	...	144	248	1	91	11	85	19	163	17	59	30	14	2	535	54	66	34
Towns	1,646	383	1,263	656	48	608	720	184	840	439	3	13	...	...	10	...	7	...	...	...	32	5	26	8	...	...	60	17	...	...	...	...	...	...
Villages	631	191	440	65	4	61	293	20	323	42	...	...	...	...	3	...	...	...	...	...	31	3	25	2	...	...	33	3	...	...	...	...	...	...
Totals, Urban	7,308	1,760	5,548	2,189	213	1,976	3,526	646	2,885	1,414	3	38	...	4	33	...	7	144	248	1	154	19	136	29	163	17	152	50	14	2	535	54	66	34
Rural	7,236	1,773	5,463	828	128	700	4,525	194	2,642	522	22	65	1	...	6	10	43	3	19	...	185	13	230	20	5	...	62	4	...	...	62	14	490	62
Grand Totals	14,544	3,533	11,011	3,017	341	2,676	8,051	840	5,527	1,936	25	103	1	4	39	10	50	147	267	1	339	32	366	49	168	17	214	54	14	2	597	68	*556	*96
Increases for year	4	74	...	64	27	37	635	118	599	47	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	2	...	12	8	...	...
Decreases for year	...	...	70	...	...	...	...	...	...	...	4	85	2	...	10	...	18	16	65	1	...	...	...	...	6	...	...	...	...	...	...	...	...	...

P.U.—Permanent Ungraded. T.—Total. M.—Male. F.—Female. P.—Public. S.—Separate.

*The majority of these are not holders of Departmental general certificates.

TABLE 4—HIGH SCHOOL ENTRANCE EXAM-

(A) Public Schools of the City Inspectorates	May Enrolment, Grades 1–8 (inclus.)	High School Entrance Candidates	Recommended Candidates		Writing Candidates		
			Number	Per cent	Number	Number successful	Per cent. successful
1 Brantford	3,340	390	310	79.5	80	37	46.2
2 Chatham	1,746	275	196	71.3	79	63	79.7
3 Hamilton	17,728	1,677	1,366	81.5	311	196	63.0
4 Kitchener	3,120	450	282	62.7	168	90	53.6
5 London	7,314	835	532	63.7	303	216	71.3
6 Ottawa	8,159	1,138	790	69.4	348	244	70.1
7 Peterborough	2,442	297	190	64.0	107	80	74.8
8 St. Catharines	2,990	324	204	63.0	120	116	96.7
9 Sarnia	2,287	264	150	56.8	114	93	81.6
10 Toronto	67,535	8,416	6,329	75.2	2,087	1,173	56.2
11 Welland	1,675	215	109	50.7	106	83	78.3
12 Windsor	10,103	1,382	978	70.8	404	233	57.7
Totals and Averages	128,439	15,663	11,436	73.0	4,227	2,624	62.1
(B) Public Schools of the County Inspectorates							
1 Brant and Norfolk (in part)	3,323	396	214	54.0	182	126	69.2
2 Bruce East, Grey (in part), Huron (in part)	2,284	207	77	42.6	130	109	83.1
3 Bruce West	2,483	301	143	47.5	158	108	68.4
4 Carleton	4,504	509	211	41.5	298	217	72.8
5 Dufferin (in part) and Peel (in part)	2,084	254	144	56.7	110	71	64.5
6 Dundas	2,305	233	30	12.9	203	153	75.4
7 Durham (in part)	5,245	595	236	39.7	359	268	74.7
8 Elgin (in part) and City of St. Thomas	5,514	875	653	74.6	222	132	59.5
9 Essex No. 1	4,380	728	214	29.4	514	423	82.3
10 Essex No. 2, and Kent (in part)	4,320	425	182	42.8	243	188	77.4
11 Frontenac North, and Addington	1,462	129	39	30.2	90	55	61.1
12 Frontenac South No. 1, and Lennox (in part)	2,184	266	94	35.3	172	113	65.7
13 Frontenac South No. 2, and City of Kingston	3,040	378	204	54.0	174	149	85.7
14 Glengarry (in part) and Prescott (in part)	1,954	169	61	36.1	108	59	54.6
15 Grey, East	2,373	295	121	41.0	174	142	81.6
16 Grey North and Bruce North	3,278	350	219	62.6	131	87	66.4
17 Grey South	2,731	121	63	52.1	58	45	77.6
18 Haldimand	3,109	338	93	27.5	245	177	72.2
19 Halton	3,571	367	193	52.6	174	145	83.3
20 Hastings Centre	2,348	223	86	38.6	137	95	69.3
21 Hastings North and Renfrew (in part)	1,959	144	40	27.8	104	78	75.0
22 Hastings South	4,186	440	306	69.5	134	116	86.6
23 Huron East	2,238	263	117	44.5	146	86	58.9
24 Huron West	2,779	336	179	53.2	157	116	73.9
25 Kent	5,321	529	268	50.7	261	131	50.1
26 Lambton West, No. 1	2,853	349	112	32.0	237	161	67.9
27 Lambton East, No. 2	2,380	289	96	33.2	193	129	66.8
28 Lanark	4,332	533	188	35.3	345	268	77.7
29 Leeds and Grenville, No. 1	1,960	249	70	28.1	179	111	62.0
30 Leeds and Grenville, No. 2	2,448	261	95	36.4	166	134	80.7
31 Leeds and Grenville, No. 3, and Lanark (in part)	1,993	221	106	48.0	115	73	63.5
32 Lennox, and Hastings South (in part)	1,667	193	63	32.6	130	91	70.0
33 Lincoln (in part)	3,909	426	263	61.7	163	101	62.0
34 Middlesex East, and Elgin (in part)	3,263	374	176	47.1	198	139	70.6
35 Middlesex West	2,577	261	73	28.0	188	149	79.3
36 Norfolk (in part)	4,257	405	206	50.9	199	149	74.9
37 Northumberland and Durham, No. 1	2,815	314	163	51.9	151	111	73.5
38 Northumberland and Durham, No. 2	2,962	306	100	32.7	206	166	80.6
39 Ontario North, and York (in part)	2,589	280	92	32.9	188	153	81.4
40 Ontario South	3,076	340	182	53.5	158	119	75.3

INATION RESULTS BY INSPECTORATES, 1939

	Successful Candidates										
						Destination					
	Total Number Successful	Per cent. of Total Applicants	Per cent. of May Enrolment	Average Age		Secondary School		Grade IX Elementary School		Retired from School	
				Years	Mos.	No.	Per cent.	No.	Per cent.	No.	Per cent.
1	347	89.0	10.4	13	10	308	88.8	....	....	39	11.2
2	259	94.2	14.8	13	9	196	75.6		Data not	available	
3	1,562	93.1	8.8	14	1	1,441	92.3	....	....	121	7.7
4	372	82.7	11.9	13	5	40	10.8	316†	84.9	16	4.3
5	748	89.6	10.2	13	..	723	96.7	....	....	25	3.3
6	1,034	90.9	12.6	13	11	994	96.1	....	....	40	3.9
7	270	90.9	11.1	14	3	254	94.1	....	....	16	5.9
8	320	98.8	10.7	13	11	283	88.4	....	....	37	11.6
9	243	92.0	10.6	13	8	231	95.1	....	....	12	4.9
10	7,502	89.1	11.1	14	2	6,305	84.0	851	11.4	340	4.6
11	192	89.3	11.5	14	2	156	81.3	....	....	36	18.7
12	1,211	87.6	12.0	13	9	1,097	90.6	102	8.4	12	1.0
	14,060	89.8	10.9	13	10	12,028	85.5	1,269	9.0	694	5.5
1	338	85.4	10.2	13	1	271	80.2	8	2.4	59	17.4
2	186	89.9	8.1	13	8	116	62.4	23	12.3	47	25.3
3	251	83.4	10.1	13	9	188	74.9	20	8.0	43	17.1
4	428	86.1	9.5	14	..	415	97.0	3	.7	10	2.3
5	215	84.6	10.3	13	9	133	61.9	35	16.2	47	21.9
6	183	78.5	7.9	13	9	144	78.7	4	2.2	35	19.1
7	504	84.7	9.6	13	11	449	89.1	20	5.6	35	5.3
8	785	89.7	14.2	14	..	672	85.6	20	2.5	93	11.9
9	637	87.5	14.5	13	10	233	36.6	117	18.4	277	45.0
10	370	87.1	8.6	14	1	276	74.6	8	2.2	86	23.2
11	94	72.9	6.4	14	..	44	46.8	41	43.6	9	9.6
12	207	77.8	9.5	13	11	120	57.0	34	16.4	53	25.6
13	353	93.4	11.6	13	9	311	88.1	15	4.2	27	7.7
14	120	71.0	6.1	14	..	73	60.8	22	18.3	25	21.9
15	263	89.2	11.1	13	4	213	81.0	15	5.7	35	13.3
16	306	87.4	9.3	14	3	232	75.8	13	4.2	61	20.0
17	108	89.3	8.9	14	2	98	90.7	7	6.5	3	2.8
18	270	79.9.	8.0	14	1	234	86.7	15	5.6	21	7.7
19	338	92.1	9.5	13	10	253	74.9	16	4.7	69	20.4
20	181	81.2	8.1	13	10	132	72.9	21	11.6	16	15.5
21	118	81.9	6.0	13	11	36	30.5	61	51.7	21	17.8
22	422	95.9	9.6	14	2	374	88.6	16	3.8	32	7.6
23	203	77.2	7.7	13	7	109	53.7	55.	27.1	39	19.2
24	295	87.8	8.8	13	10	180	61.0	61	20.7	54	18.3
25	399	75.4	7.5	13	11	306	76.7	14	3.5	79	19.8
26	273	78.2	7.8	14	1	190	69.6	31	11.4	52	19.0
27	225	77.9	7.8	13	7	170	75.6	10	4.4	45	20.0
28	456	85.6	8.5	14	..	358	78.5	27	5.9	71	15.6
29	181	72.6	9.2	13	11	135	74.6	15	8.2	31	17.2
30	229	87.7	8.8	14	..	200	87.8	3	1.3	25	10.9
31	179	81.0	8.1	13	11	157	87.7	16	8.9	6	3.4
32	154	79.8	9.2	13	9	106	68.8	4	2.6	44	28.6
33	364	85.4	9.3	14	..	256	70.3	69	19.0	39	10.7
34	316	84.5	9.7	13	9	245	77.5	18	5.7	53	16.8
35	222	85.1	8.6	14	3	172	77.5	11	5.0	42	17.5
36	355	87.7	8.3	11	7	235	66.2	35	10.0	85	23.8
37	274	87.3	9.7	13	11	220	80.3	18	6.6	36	13.1
38	266	86.9	9.0	14	..	174	65.4	31	11.7	61	22.9
39	245	87.5	9.4	13	11	177	72.2	19	7.8	49	20.0
40	301	88.5	9.8	13	10	273	90.7	11	3.7	17	5.6

TABLE 4—HIGH SCHOOL ENTRANCE EXAM-

(B) Public Schools of the County Inspectorates	May Enrolment, Grades 1–8 (inclus.)	High School Entrance Candidates	Recommended Candidates		Writing Candidates		
			Number	Per cent.	Number	Number successful	Per cent. successful
41 Oxford North and City of Woodstock	3,032	313	161	51.4	152	121	79.6
42 Oxford South, and Norfolk (in part)	3,544	414	249	60.1	165	86	52.1
43 Peel (in part)	3,557	393	176	44.8	217	175	80.6
44 Perth North, and Wellington (in part)	3,191	350	94	26.9	256	210	82.0
45 Perth South	3,352	440	197	44.8	243	197	81.1
46 Peterboro East	2,573	293	102	34.8	191	104	54.5
47 Peterboro West, and Victoria East	2,317	287	158	55.0	129	101	78.3
48 Prescott and Russell, No. 1, and Carleton (in part)	1,179	145	35	24.1	110	80	72.7
49 Prescott and Russell, No. 2	35	2	......	......	2	2	100.0
50 Prescott and Russell, No. 3	456	41	10	24.4	31	19	61.3
51 Prescott and Russell, No. 4	164	18	3	16.7	15	6	40.0
52 Prince Edward	2,237	83	62	74.7	21	21	100.00
53 Renfrew North	3,067	316	143	45.3	173	99	57.2
54 Renfrew South	2,812	279	53	19.0	226	174	76.9
55 Simcoe Centre	3,101	423	254	60.0	169	69	100.0
56 Simcoe East, and Muskoka (in part)	3,788	448	188	41.9	260	182	70.0
57 Simcoe North, and Kent (in part)	387	19	1	5.2	18	6	33.4
58 Simcoe South, York (in part) and Peel (in part)	2,787	324	170	52.4	154	98	63.6
59 Simcoe West, Grey (in part) and Dufferin (in part)	2,530	297	127	42.7	170	141	82.9
60 Stormont	3,258	318	87	27.3	231	207	89.6
61 Victoria West	1,447	213	107	50.2	106	62	58.5
62 Waterloo, No. 1	3,756	409	291	71.1	118	79	66.9
63 Waterloo, No. 2	3,646	439	367	83.5	72	59	81.9
64 Welland East	4,558	578	402	69.5	176	130	73.8
65 Welland South	4,222	458	225	49.1	233	157	67.3
66 Welland (in part) and Lincoln (in part)	2,644	294	104	35.3	190	118	62.1
67 Wellington North	2,891	332	99	29.8	233	191	81.9
68 Wellington South and City of Guelph	3,748	417	243	58.2	174	138	79.3
69 Wentworth	4,577	457	224	49.0	233	125	53.6
70 York, No. 1	3,963	437	156	35.7	281	224	79.7
71 York, No. 2	5,456	607	353	58.2	254	209	82.3
72 York, No. 3	5,169	676	496	73.4	180	173	96.1
73 York, No. 4	5,740	801	588	73.4	213	188	88.2
74 York, No. 5	7,331	788	512	65.0	276	235	85.1
75 York, No. 6	6,199	709	302	42.6	407	341	83.8
Totals and Averages	234,770	26,490	12,911	48.7	13,579	9,970	73.4
(C) Public Schools of the District Inspectorates							
1 Division No. I	3,233	313	120	38.3	193	139	72.0
2 " " II	2,650	270	112	41.4	158	110	69.6
3 " " III	3,727	498	399	80.1	99	57	57.5
4 " " IV	4,133	519	285	54.9	234	158	67.5
5 " " V	3,989	549	388	70.7	160	73	45.6
6 " " VI	3,553	298	88	29.5	210	127	60.5
7 " " VII (Part 1)	4,157	462	281	60.8	181	147	81.2
8 " " VII (Part 2)	678	14	......	......	14	14	100.0
9 " " VIII	2,401	245	98	40.0	151	97	64.2
10 " " IX	5,021	535	321	60.0	214	162	75.7
11 " " X (Part 1)	5,369	540	248	45.9	292	150	51.3
12 " " X (Part 2)	49	......	......	......	......	......	......
13 " " XI	2,512	287	133	46.3	154	96	62.3
14 " " XII (Part 1)	3,273	338	176	52.0	162	104	64.1
15 " " XII (Part 2)	52	7	......	......	7	3	42.8
16 " " XII (Part 3)	733	19	......	......	19	7	36.8
17 " " XIII	2,267	225	95	42.2	130	63	48.5

INATION RESULTS BY INSPECTORATES, 1939

	Successful Candidates										
	Total Number Successful	Per cent. of Total Applicants	Per cent. of May Enrolment	Average Age		Destination					
						Secondary School		Grade IX Elementary School		Retired from School	
				Years	Mos.	No.	Per cent.	No.	Per cent.	No.	Per cent.
41	282	90.1	9.3	13	8	219	77.7	12	4.3	51	18.0
42	335	80.9	9.5	13	5	262	78.2	12	3.6	61	18.2
43	351	89.3	9.9	14	..	333	94.9	....	....	18	5.1
44	304	86.9	9.5	13	9	167	54.9	41	13.5	96	31.6
45	394	89.5	11.7	13	9	327	83.0	5	1.3	62	15.7
46	206	70.3	8.0	14	6	142	68.9	33	16.0	27	15.1
47	259	90.2	11.2	13	9	205	79.1	28	10.8	26	10.1
48	115	79.3	9.7	13	9	87	75.6	19	16.5	9	7.9
49	2	100.0	5.7	14	7	2	100.0	....	....	....	....
50	29	70.7	6.3	14	..	18	62.0	9	31.0	2	7.0
51	8	44.4	4.9	13	8	5	62.5	3	37.5	....	....
52	83	100.0	3.7	14	..	53	63.8	18	21.6	12	14.6
53	242	76.6	7.8	13	2	175	72.3	38	15.7	29	12.0
54	227	81.3	8.0	13	11	146	64.3	30	13.2	51	22.5
55	323	76.3	10.4	14	..	259	80.1	39	12.1	51	7.8
56	370	82.5	9.7	13	..	220	59.4	80	21.6	70	19.0
57	7	36.8	1.8	14	1	2	28.5	2	28.5	3	43.0
58	268	82.7	9.6	13	4	203	75.7	18	6.7	47	17.6
59	268	90.2	10.6	13	7	200	74.6	48	17.9	20	7.5
60	294	92.4	9.0	13	10	224	76.1	36	12.2	34	11.7
61	169	79.3	11.7	13	10	117	69.2	39	23.1	13	7.7
62	370	90.4	9.8	13	6	134	36.2	132	35.6	114	28.2
63	426	97.0	11.6	14	4	300	70.4	47	11.0	79	18.6
64	532	92.0	11.6	14	3	461	86.6	....	....	71	13.4
65	382	83.5	9.0	14	2	347	90.8	1	....	34	9.2
66	222	75.5	8.4	13	11	136	61.2	23	10.4	63	28.4
67	290	87.3	10.0	13	6	220	75.8	....	....	51	24.2
68	381	91.3	10.2	13	11	293	76.9	34	8.9	54	14.2
69	349	76.3	7.6	14	..	296	84.8	24	6.9	29	8.3
70	380	87.0	9.6	14	1	270	71.1	11	2.9	97	26.0
71	562	92.6	10.3	14	1	526	93.6	....	....	36	6.4
72	669	99.0	12.9	14	..	626	93.6	....	....	43	6.4
73	776	96.9	13.5	13	10	720	92.8	....	....	56	7.2
74	747	94.8	10.2	14	2	709	94.9	....	....	38	5.1
75	643	90.7	10.4	14	1	534	83.0	42	6.5	67	10.5
	22,881	86.4	9.7	13	11	17,618	77.0	1,806	7.9	3,457	15.1
1	259	82.7	8.0	14	4	192	74.1	33	12.7	34	13.2
2	222	82.2	8.4	14	3	113	50.9	73	32.9	36	16.2
3	456	91.5	12.2	14	..	391	85.7	41	9.0	24	5.3
4	443	85.3	10.7	14	3	175	39.5	200	45.1	68	15.4
5	461	84.0	11.6	14	..	273	59.2	50	10.8	138	30.0
6	215	72.1	6.0	14	4	127	59.1	62	28.8	26	12.1
7	428	92.6	10.3	14	2	269	62.8	72	16.8	87	20.4
8	14	100.0	2.0	14	9	5	35.7	6	42.8	3	21.5
9	195	79.5	8.1	14	5	94	48.2	45	23.1	56	28.7
10	483	90.3	9.6	13	9	417	86.3	39	8.0	27	5.7
11	398	83.0	8.3	14	2	304	76.4	76	19.1	18	4.5
12	....	....	....	....	....	....	....	....	....	....	....
13	229	79.8	9.1	14	3	140	61.1	56	24.4	33	14.5
14	280	82.8	8.5	13	11	243	86.8	28	10.0	9	3.2
15	3	42.8	5.8	14	1	1	33.3	....	....	2	66.7
16	7	36.8	1.0	14	10	....	....	3	42.8	4	57.2
17	158	70.2	7.0	13	9	50	31.6	59	37.3	49	31.1

TABLE 4—HIGH SCHOOL ENTRANCE EXAM-

(C) Public Schools of the District Inspectorates	May Enrolment, Grades 1–8 (inclus.)	High School Entrance Candidates	Recommended Candidates		Writing Candidates		
			Number	Per cent.	Number	Number successful	Per cent. successful
18 " " XIV	2,199	199	120	60.3	79	55	69.6
19 " " XV	2,224	253	148	58.4	105	41	39.0
20 " " XVI	1,926	165	40	24.2	125	94	75.2
Totals and Averages	54,146	5,736	3,052	53.2	2,687	1,697	63.1
(D) Roman Catholic Separate School Inspectorates							
1 Division No I	3,866	392	278	70.9	114	64	56.1
2 " " II	4,662	308	187	60.7	121	50	41.3
3 " " III	3,885	116	64	55.2	52	52	100.0
4 " " IV	3,404	194	47	24.2	147	99	67.3
5 " " V	5,301	347	170	49.0	177	107	60.4
6 " " VI	6,390	610	408	66.9	202	137	67.8
7 " " VII	4,232	344	172	50.0	172	136	79.0
8 " " VIII	3,525	248	152	61.3	96	71	73.9
9 " " IX	3,988	374	183	48.9	191	140	73.3
10 " " X	5,117	588	422	71.8	166	92	55.4
11 " " XI	4,900	495	410	82.8	85	35	41.2
12 " " XII	2,915	331	211	63.7	120	92	76.7
13 " " XIII and XIV	12,877	1,563	1,177	75.3	386	120	31.1
14 " " XV	3,954	400	218	54.5	182	157	86.3
15 " " XVI	4,133	430	207	48.1	223	149	66.8
16 " " XVII, XVIII and XIX	12,671	1,127	577	51.2	550	297	54.0
17 " " XX	3,695	249	71	28.5	178	104	58.4
18 " " XXI	3,878	220	85	28.6	135	99	73.3
19 " " XXII	3,641	231	35	15.1	196	121	61.8
Totals and Averages	97,034	8,567	5,074	59.2	3,493	2,122	60.8
Grand Totals and Averages	514,389	56,456	32,473	57.5	23,986	16,413	68.4
Increases for the year	1,080	1.549	947	.08	605	813	1.7
Decreases for the year	......	......	......	......	......	......	......

SUMMARY

(This includes, in addition to the above, results of candidates from private sources.)

Enrolment Grade VIII on the last school day in May, 1939		59,926
Number of High School Entrance Candidates:		
Recommended by Principal on Group II	32,650	
Number taking written test on Group II	24,475	
		57,125
High School Entrance candidate percentage of 1939 Grade VIII Enrolment		95.33%

INATION RESULTS BY INSPECTORATES, 1939

	Successful Candidates										
	Total Number Successful	Per cent. of Total Applicants	Per cent. of May Enrolment	Average Age		Destination					
						Secondary School		Grade IX Elementary School		Retired from School	
				Years	Mos.	No.	Per cent.	No.	Per cent.	No.	Per cent.
18	175	87.9	8.0	14	3	105	60.0	66	37.7	4	2.3
19	189	74.7	8.5	14	1	127	67.2	46	24.3	16	8.5
20	134	81.2	6.9	14	1	65	48.5	45	33.6	24	17.9
	4,749	82.8	8.8	14	1	3,091	65.1	1,000	21.1	658	13.8
1	342	87.2	8.8	14	2	247	72.2	62	18.1	33	9.7
2	237	76.9	5.1	14	1	127	53.6	63	26.6	47	19.8
3	116	100.0	3.0	14	7	68	58.6	37	31.9	11	9.5
4	146	75.2	4.3	14	7	61	41.8	74	50.7	11	7.5
5	277	79.8	5.2	14	6	223	80.5	25	9.0	29	10.5
6	545	89.3	8.5	13	9	236	43.3	176	32.3	133	24.4
7	308	89.5	7.2	14	3	70	22.7	203	65.9	35	11.4
8	223	89.9	6.3	13	6	168	75.3	17	7.6	38	17.1
9	323	86.3	8.1	13	8	125	38.7	156	48.3	42	13.0
10	514	87.4	8.7	13	10	223	43.4	212	41.2	79	15.4
11	445	89.9	10.1	14	1	231	52.0	191	42.9	23	5.1
12	303	91.6	10.3	14	1	225	74.2	43	14.1	35	11.7
13	1,297	83.0	10.0	14	..	873	67.3	260	20.0	164	12.7
14	375	93.7	9.4	13	4	251	66.9	72	19.2	52	13.9
15	356	82.8	8.6	13	10	240	67.4	89	25.0	27	7.6
16	874	77.5	6.9	14	1	284	32.4	522	59.7	68	7.9
17	175	70.3	4.7	14	3	33	18.8	142	81.2	....	....
18	184	83.6	4.7	14	4	106	57.6	55	29.8	23	22.6
19	156	67.5	2.1	14	3	85	54.5	52	33.3	19	12.2
	7,196	84.0	7.4	14	..	3,876	53.9	2,451	34.1	869	12.0
	48,886	86.6	9.5	13	11	36,613	74.9	6,526	13.3	5,747	11.8
	1,760	.8	.3	....		1,733	.13	48	....	457	.46
	....	....	....	....		....	....	....	.6	....	....

Number of candidates successful on written test on Group II:

By Regulation 10—(1) and (2)	15,226	
(3) and (4)	571	
(5)	532	
(6)	212	
(7)	391	
		16,932
Total Number of successful candidates		49,582
Percentage of candidates who were successful		86.80%

(57.16% by Principals' recommendation and 29.64% by passing written test.)

†To Intermediate School.

TABLE 5—FIFTH CLASSES (GRADES IX AND X) 1938-39

(A) Public Schools of the County Inspectorates	No. of Schools Conducting Fifth Class Work	Fifth Class Enrolment in These Schools	Number of Qualifying Fifth Classes	Enrolment in Qualifying Fifth Classes	Average Per Class		Grading			Legislative Grant to Qualifying Classes
					Enrolment	Daily Attendance	A	B	C	
Brant and Norfolk (in part)	3	29	2	27	13.5	11.6	1	1	....	$199.80
Bruce East, Grey (in part), Huron (in part)	21	39	6	20	3.3	2.7	1	....	5	336.08
BruceWest	24	48	3	11	3.6	3.3	....	....	3	231.66
Carleton	4	17	3	16	5.3	5.0	3	....	....	392.40
Dufferin (in part) and Peel (in part)	23	75	7	48	6.8	5.8	2	2	3	635.62
Dundas	4	11	1	8	8.0	7.5	....	1	....	81.18
Durham (in part)	10	69	6	62	10.3	8.5	3	1	2	752.08
Elgin East and City of St. Thomas	7	22	4	15	3.7	3.1	1	2	1	349.73
Essex No. 1	11	238	7	232	33.1	28.3	4	3	....	896.35
Essex No. 2 and Kent (in part)	5	5	.....	.....	.....	.....	....	....	....	....
Frontenac North and Addington	23	67	4	35	8.7	7.2	2	2	....	416.16
Frontenac South No. 1 and Lennox (in part)	11	40	3	28	9.3	7.9	1	1	1	278.01
Frontenac South No. 2 and City of Kingston	15	43	3	29	9.7	8.6	....	1	2	280.02
Glengarry (in part) and Prescott (in part)	10	29	3	16	5.3	4.2	....	2	1	246.59
Grey East	25	58	8	35	4.4	3.6	....	1	7	567.35
Grey North and Bruce North	9	23	1	10	10.0	9.5	....	1	....	106.48
Grey South	11	35	8	32	4.0	3.5	2	....	6	606.33
Haldimand	8	22	3	12	4.0	3.6	....	2	1	263.21
Halton	5	5	.....	.....	.....	.....	....	....	....	....
Hastings Centre	13	20	2	8	4.0	3.0	....	2	....	178.68
Hastings North and Renfrew (in part)	25	46	2	13	6.5	5.4	....	2	....	180.40
Hastings South	7	13	1	6	6.0	4.4	1	....	....	148.80
Huron East	24	70	6	34	5.7	5.9	2	2	2	491.09
Huron West	21	89	9	72	8.0	7.1	5	2	2	999.14
Kent	9	18	3	15	5.0	4.3	....	3	....	303.03
Lambton West No. 1	13	26	3	14	4.7	3.2	1	2	....	353.14
Lambton East No. 2	11	25	2	26	13.0	11.5	....	1	1	253.02
Lanark	21	68	6	19	3.2	2.7	....	2	4	342.83
Leeds and Grenville No. 1	15	36	2	15	7.5	6.1	2	....	....	325.98
Leeds and Grenville No. 2	5	19	1	10	10.0	8.7	1	....	....	149.87
Leeds and Grenville, No. 3, and Lanark (in part)	17	26	2	5	2.5	2.2	....	....	2	110.70
Lennox and Hastings South (in part)	4	7	.....	.....	.....	.....	....	....	....	....
Lincoln (in part)	3	82	3	82	27.3	24.1	2	1	....	348.02
Middlesex East and Elgin (in part)	9	32	5	26	5.2	4.7	1	4	....	457.60
Middlesex West	6	10	1	4	4.0	3.6	1	....	....	122.94
Norfolk (in part)	14	30	2	8	4.0	2.4	....	2	....	142.12
Northumberland and Durham, No. 1	20	49	13	42	3.2	2.6	2	....	11	644.08
Northumberland and Durham, No. 2	12	31	5	19	3.8	2.9	....	1	4	345.43
Ontario North and York (in part)	15	37	5	25	5.0	4.0	1	4	....	425.48
Ontario South	2	4	1	3	3.0	2.8	....	1	..	93.93
Oxford North and City of Woodstock	4	29	4	29	7.2	6.3	1	3	....	379.86
Oxford South and Norfolk (in part)	5	19	4	16	4.0	3.3	3	....	1	427.18
Peel (in part)	.....	.....	.....	.....	.....	.....	....	....	....	....
Perth North and Wellington (in part)	26	74	5	39	7.8	6.6	....	5	....	464.04
Perth South	4	7	.....	.....	.....	.....	....	....	....	....
Peterborough and Victoria	78	157	16	67	4.2	3.6	6	2	8	1,470.01
Prescott and Russell, No. 1, and Carleton (in part)	10	43	5	36	7.2	5.9	3	2	....	509.32
Prescott and Russell, No. 2	.....	.....	.....	.....	.....	.....	....	....	....	....
Prescott and Russell, No. 3	1	13	1	13	13.0	12.0	1	....	....	155.70
Prescott and Russell, No. 4	.....	.....	.....	.....	.....	.....	....	....	....	....
Prince Edward	25	47	4	19	4.7	3.7	1	....	3	305.28
Renfrew North	21	45	6	32	5.3	4.7	1	2	3	516.67
Renfrew South	17	39	1	9	9.0	8.2	....	1	....	77.20
Simcoe Centre	15	57	9	50	5.5	4.4	3	3	3	782.12
Simcoe East and Muskoka (in part)	15	100	7	91	13.0	10.9	3	3	1	725.29
Simcoe North and Kent (in part)	.....	.....	.....	.....	.....	.....	....	....	....	....
Simcoe South, York (in part) and Peel (in part)	8	15	2	5	2.5	2.1	....	....	2	135.54
Simcoe West, Grey (in part) and Dufferin (in part)	19	44	10	33	3.3	2.8	....	....	10	615.79
Stormont	4	31	2	29	14.5	13.0	2	....	....	281.61
Waterloo, No. 1	17	55	11	44	4.0	3.6	1	7	3	1,008.69
Waterloo, No. 2	4	87	2	79	39.5	34.7	2	....	...	321.43
Welland (in part), Lincoln (in part)	2	3	.....	.....	.....	.....	....	....	....	....
Wellington North	15	25	1	7	7.0	5.5	....	1	....	87.29
Wellington South and City of Guelph	18	66	12	63	5.2	4.4	1	3	8	838.79
Wentworth	9	54	6	51	8.5	6.9	2	3	1	779.26

TABLE 5—FIFTH CLASSES (GRADES IX AND X), 1938-39

(A) Public Schools of the County Inspectorates	No. of Schools Conducting Fifth Class Work	Fifth Class Enrolment in These Schools	Number of Qualifying Fifth Classes	Enrolment in Qualifying Fifth Classes	Average Per Class		Grading			Legislative Grant to Qualifying Classes
					Enrolment	Daily Attendance	A	B	C	
York, No. 1	2	11	2	11	5.5	4.8	1	1	....	$270.71
York, No. 2	2	2	......	......	......	......	....	....	....	....
York, No. 6	1	185	4	185	46.2	39.2	4	....	....	77.40
Totals and Averages, (A)	817	2,821	260	1,990	7.6	6.4	74	85	101	$23,084.51
(B) Public Schools of the District Inspectorates										
Division No. I	19	83	9	60	6.7	5.6	3	4	2	$1,757.16
" " II	43	137	19	107	5.6	4.9	1	6	12	3,093.66
" " III	24	46	9	26	9.0	2.6	....	....	9	1,080.18
" " IV	21	176	5	50	10.0	4.7	2	2	1	1,107.76
" " V	21	50	6	28	4.7	4.3	....	4	2	1,060.20
" " VI	27	108	12	95	7.9	6.7	5	3	4	2,743.36
" " VII, Part I	27	94	12	67	5.6	4.2	1	4	7	1,942.53
" " VIII	23	75	11	59	5.4	4.5	....	2	9	1,476.36
" " IX	18	53	6	41	7.0	6.0	1	2	3	1,010.43
" " X, Part I	27	76	5	32	6.4	4.9	1	4	....	1,017.88
" " XI	25	75	11	57	5.2	4.2	2	3	6	1,878.60
" " XII, Part I	27	63	3	15	5.0	3.9	....	3	....	517.64
" " XII, Part III	2	......	2	......	......	2.7	....	....	2	198.00
" " XIII	38	108	6	58	9.7	8.1	1	5	....	1,486.44
" " XIV	39	100	6	40	6.7	5.7	2	4	....	1,508.95
" " XV	23	91	17	80	4.7	4.1	....	5	12	2,598.66
" " XVI	32	64	11	40	3.6	3.1	2	2	7	1,208.59
Totals and Averages, (B)	436	1,399	150	855	5.7	4.7	21	53	76	$25,686.40
(C) Public Schools of the City Inspectorates										
Kitchener	2	365	......	......	......	......	....	....	....	....
Toronto	11	1,612	......	......	......	......	....	....	....	....
Windsor	1	247	......	......	......	......	....	....	....	....
Totals and Averages, (C)	14	2,224	......	......	......	......	....	....	....	....
(D) Roman Catholic Separate School Inspectorates										
Division No. I	6	70	4	17	4.2	3.7	....	1	3	$679.98
" " II	13	117	7	45	6.4	5.6	3	3	1	1,378.19
" " III	4	15	4	15	3.7	3.3	....	3	1	689.40
" " IV	12	91	10	85	8.5	7.9	5	4	1	1,566.89
" " V	6	16	5	15	3.0	2.9	2	2	1	729.00
" " VI	8	415	3	70	23.3	19.8	2	1	....	419.94
" " VII	8	183	8	183	23.0	20.7	8	....	....	978.99
" " VIII	6	115	4	32	8.0	15.7	3	1	....	425.95
" " IX	18	552	10	114	11.4	10.2	7	2	1	1,294.83
" " X	12	363	6	56	9.3	8.2	3	3	....	603.92
" " XI	5	431	1	50	50.0	43.5	1	....	....	164.25
" " XII	12	155	4	22	5.5	4.1	2	2	....	505.47
" " XIII and XIV	2	400	......	......	......	......	....	....	....	....
" " XV	10	270	8	166	20.7	17.8	5	1	2	967.51
" " XVI	20	218	14	112	8.0	7.0	5	3	6	1,449.63
" " XVII	15	485	......	......	......	......	....	....	....	....
" " XVIII	4	530	......	......	......	......	....	....	....	....
" " XIX	1	9	1	9	9.0	8.0	....	1	....	87.67
" " XX	8	105	8	105	13.1	12.2	8	....	....	979.20
" " XXI	7	89	6	76	12.6	11.1	5	1	....	610.73
" " XXII	8	80	7	65	9.3	8.6	7	....	....	844.68
Totals and Averages, (D)	185	3,367	110	1,237	11.2	10.3	66	28	16	$13,765.50
Grand Totals and Averages	1,452	9,811	520	4,082	7.8	7.0	161	166	193	$62,536.41
Increases for the year	......	......	......	127	.2	.6	2	6	....	....
Decreases for the year	69	1,103	3	......	......	......	....	....	11	$6,547.18

Legislative grants for equipment only, to schools whose Fifth Classes have qualified in past years, but not this year, $763.23.

TABLE 6—REPORT OF THE HEALTH SERVICES IN

(A) Municipalities in which School Medical or Nursing Service is under the local Board of Health	School	No. of School Children Enrolled	Personnel			No. of Children entering Grade I.	No. of these who had physical examination before entering
			Reg. Nurse	M.D.	D.D.S.		
Cities							
1 Brantford	Pub. and Sep.	4,466	4	½	1	462	65
2 Hamilton	Pub. and Sep.	31,284	32	6	9	1,478	235
3 Kitchener	Pub. and Sep.	5,622	6	½	1	599	140
4 North Bay	Pub. and Sep.	2,825	2	....	‡	334	....
5 Oshawa	Pub. and Sep.	4,347	4	2 p.t.	4 p.t.	467	....
6 Ottawa	Sep.	11,452	13	....	....	1,337	....
7 Port Arthur	Pub. and Sep.	3,205	2	....	‡	356	236
8 St. Catharines	Pub. and Sep.	4,204	5	½	1	384	....
9 St. Thomas	Pub. and Sep.	1,995	2	....	p.t.	171	....
10 Sarnia	Pub. and Sep.	2,781	3	....	p.t.	305	....
11 Stratford	Pub. and Sep.	2,415	2	....	p.t.	261	115
12 Toronto	Pub. and Sep.	90,468	86	10	27 p.t. 7 p.t.	9,797	....
13 Woodstock	Pub. and Sep.	1,551	2	....	....	181	114
Suburban							
1 York East twp.	Pub. and Sep.	6,068	4	....	....	818	207
2 York Twp.	Pub. and Sep.	11,723	8	2 p.t.	6 p.t.	1,280	....
Towns							
1 Bowmanville	Pub.	515		Service recently re-established —			
2 Burlington	Pub.	565	1	¼	‡	84	....
3 Cochrane	Pub., Sep. and High	856	1	....	....	82	34
4 Cornwall	Pub. and Sep.	2,519	2	p.t.	....	325	....
5 Dryden (*a*)	Pub.	347	1	....	....	47	....
6 Dundas	Pub. and Sep.	760	1	....	‡	64	40
7 Elmira	Pub. and Sep.	392	1	....	....	33	....
8 Fort Frances	Pub. and Sep.	1,248	1	....	‡	129	....
9 Haileybury	Pub., Sep. and High	555	1	....	‡	44	4
10 Ingersoll	Pub. and Sep.	730	1	¼	‡	80	49
11 Kirkland Lake (Teck Twp.)	Pub. and Sep.	3,597	3	....	½	512	342
12 Lindsay	Pub. and Sep.	1,119	1	....	....	102	35
13 Midland	Pub. and Sep.	1,200	1	....	‡	138	103
14 New Toronto	Pub.	1,186	1	¼	p.t.	144	....
15 Oakville (*b*)	Pub. and Sep.	842	1	....	....	85	51
16 Orillia	Pub. and Sep.	1,458	1	....	p.t.	157	85
17 Paris	Pub. and Sep.	556	1	....	‡	74	....
18 Penetanguishene	Pub. and Sep.	904	1	....	‡	92	68
19 Perth	Pub. and Sep.	600	1	....	p.t.	42	20
20 Port Colborne	Pub.	1,424	1	¼	....	152	....
21 Renfrew	Pub. and Sep.	974	1	....	....	103	....
22 St. Mary's	Pub., Sep. and High	815	1	¼	p.t.	58	....
23 Simcoe	Pub.	943	1	....	....	86	....
24 Strathroy	Pub.	427	1	....	‡	42	20
25 Timmins	Pub. and Sep.	5,291	3	¼	p.t.	796	....
26 Wallaceburg	Pub. and Sep.	1,013	1	....	‡	133	....
27 Weston	Pub. and Sep.	931	1	....	‡	163	....
Villages							
1 Forest Hill	Pub.	1,671	1	1	1	129	23
2 Swansea	Pub.	666	1	¼	p.t.	70	....
Part Time							
1 Gananoque		....	....	....	....	....	....
2 Fort William	Sep.	1,251	1	....	....	137	....
Rural Units							
1 Ayr, North and South Dumfries	Pub.	803	1	....	....	99	....
2 Etobicoke Twp. (S.S. 3, 8, 11, 16)	Pub.	2,829	1 f.t. 2 p.t.	....	p.t.	376	....
3 Tecumseh and East Sandwich	Pub. and Sep.	1,902	1	....	....	216	25
4 North York Twp.	Pub. and Sep.	2,605	1	¼	‡	....	....
5 Eastern Ontario Health Unit— 390 schools (*c*)	Pub. and Sep.	10,414	9	....	....	....	....
6 Temiskaming Dist., 94 schools	Pub. and Sep.	3,107	1	....	‡	....	....
(A) Totals		241,421	....	....	....	23,024	2,011

(*a*) Assisted by Red Cross. (*b*) Includes Trafalgar S.S. 12, 13, 16 and 18.
(*c*) Counties of Prescott, Russell, Stormont and Glengarry.
‡ In D.D.S. column means some dental work done by service clubs or other private agencies.

THE PUBLIC AND SEPARATE SCHOOLS OF ONTARIO, 1939

	No. of defects (other than dental) requiring correction found, 1939	No. of these defects corrected, 1939	No. of children with dental defects found, 1939	No. of children with dental defects corrected, 1939	No. excluded because of communicable disease	No. of Grade VIII children completing course, 1939	No. of these leaving with uncorrected defects	Vision	Hearing	Tonsils and defective nasal breathing	Dental	Other
1	310	57	1,077	711	457	444	290	19	1	126	147	14
2	3,410	1,332	*	6,079	879	2,272	1,155	21	3	91	485	555
3	796	375	3,400	1,849	202	540	73	4	1	22	189	61
4	223	97	333	381	219	333	250	4	4	104	149	18
5	761	146	925	630	266	368	235	2	2	115	149	17
6	572	206	2,427	576	914	....	....	......	......	......	......	......
7	207	37	635	432	197	299	128	5	1	42	96	1
8	349	123	....	3,507	109	*	*	*	*	*	*	*
9	339	45	768	537	148	216	82	6	......	60	33	14
10	157	52	449	313	129	274	132	7	1	57	84	......
11	114	65	1,168	518	98	251	132	5	......	24	97	8
12	9,291	3,085	53,963	31,945	28,115	*	*	*	*	*	*	*
13	152	70	226	443†	211	143	89	1	2	23	62	13
1	544	124	1,367	269	555	630	448	11	6	67	375	9
2	3,088	357	8,242	3,603	581	1,349	*	*	*	*	*	*
		Informa	tion not	available								
2	76	22	129	70	184	65	26	1	......	22	7	....
3	131	54	220	168	114	60	33	2	......	3	28	......
4	83	59	236	339†	283	224	119	8	3	40	72	17
5	25	2	32	49	39	34	25	......	......	13	17	......
6	28	3	87	65	23	85	40	......	......	14	21	6
7	13	6	54	48	26	45	19	3	......	6	19	2
8	17	4	315	393†	129	107	41	5	......	27	......	9
9	27	....	45	153†	56	52	43	......	......	12	30	1
10	160	39	62	47	47	75	42	9	2	25	17	4
11	331	54	2,959	468	244	296	177	7	3	25	84	12
12	84	28	148	27	116	129	66	3	1	34	28	......
13	67	25	274	147	104	87	31	......	......	11	19	1
14	113	37	844	255	136	117	136	4	......	26	80	17
15	49	12	70	127	49	63	26	......	......	10	16	......
16	234	67	179	270†	107	143	31	3	......	18	......	8
17	60	40	356	149	42	75	28	2	1	9	18	1
18	81	55	372	241	172	82	6	2	1	2	......	1
19	24	14	48	48	28	77	8	......	......	8	......	......
20	....	115	92	211†	49	128	38	3	......	38	15	5
21	117	18	218	81	163	108	101	......	......	39	66	4
22	22	16	298	298	8	58	9	......	......	7	2	......
23	49	17	402	321	63	88	28	2	1	10	16	......
24	23	15	48	51†	29	34	14	......	......	8	6	......
25	589	43	456	458†	1,688	312	259	20	1	81	157	54
26	43	15	190	92	50	79	45	4	......	8	33	......
27	189	46	98	51	35	79	27	3	2	9	12	4
1	166	20	....	109	4	72	7	3	......	1	......	......
2	78	18	410	120	38	88	63	1	......	22	42	2
1	....	....	....	....	....	....	....	......	......	......	......	......
2	103	33	185	62	232	108	89	3	......	23	46	35
1	44	35	245	148	72	104	21	......	......	2	19	......
2	224	95	422	246	307	224	120	3	1	51	53	26
3	285	61	470	66	147	156	146	6	1	60	22	......
4	192	28	72	....	36	252	138	15	2	48	43	47
5	2,852	555	3,339	820	*	*	*	*	*	*	*	*
6	439	203	1,234	207	*	*	*	*	*	*	*	*
	27,331	8,025	89,589	58,198	37,900	10,825	5,016	197	40	1,443	2,855	966

† This total includes correction of dental defects found previous to 1939.
* Not given.

TABLE 6—REPORT OF THE HEALTH SERVICES IN

	(B) Municipalities in which School Medical or Nursing Service is under the local School Board		No. of School Children Enrolled	Personnel			No. of Children entering Grade I.	No. of these who had physical examination before entering
				Reg. Nurse	M.D.	D.D.S.		
	Cities	School						
1	Belleville	Pub.	1,799	1	......	p.t.	172	20
2	Chatham	Pub.	2,000	1	......	‡	223	68
3	Fort William	Pub.	3,183	3	......	‡	*	141
4	Galt	Pub. and Sep.	1,963	1	¼	‡	230	......
5	Guelph	Pub.	2,478	1	......	‡	243	......
6	Kingston	Pub.	2,906	2	......	p.t.	332	......
7	London	Pub. and High	8,461	6	1	7 p.t.	861	......
8	London	Sep.	1,227	1	......	......	144	......
9	Niagara Falls	Pub. and Sep.	2,730	2	......	‡	319	39
10	Ottawa	Pub.	......	5	1	1 f.t. 1 p.t.	1,802	......
11	Owen Sound	Pub. and Sep.	2,224	2	......	p.t.	236	......
12	Peterborough	Pub.	2,785	2	¼	p.t.	253	47
13	Sault Ste. Marie	Pub.	3,077	2	......	‡	307	......
14	Sudbury	Pub.	2,300	1	......	p.t.	385	......
15	Sudbury	Sep.	2,442	1	......	‡	422	......
16	Welland	Pub. and High	1,893	1	......	‡	193	16
17	Windsor	Pub. and High	26,661	10	1 f.t. 3 p.t.	3	1,032	......
	Towns							
1	Barrie	Pub. and Sep.	1,347	1	......	p.t.	152	......
2	Brampton—See Peel County.							
3	Brockville	Pub.	1,228	1	......	‡	163	110
4	Collingwood	Pub.	899	1	......	......	52	......
5	Long Branch	Pub.	1,114	1	......	p.t.	108	90
6	Mimico	Pub. and Sep.	1,359	1	......	p.t.	146	107
7	Pembroke	Pub.	1,016	1	......	......	156	55
8	Pembroke	Sep.	856	1	......	......	117	46
9	Waterloo	Pub. and Sep.	1,468	1	......	‡	136	97
	Part Time							
1	Brant County and Waterford	Pub.	582	1	......	......	95	......
2	Brockville	Sep.	254	1	......	p.t.	50	......
3	Kingston	Sep.	912	1	......	p.t.	136	......
4	Leaside	Pub.	675	1	......	p.t.	65	......
5	Riverside	Pub.	570	1	......	......	42	32
6	Rockcliffe	Pub.	......	1	⅛	......	......	......
7	Scarboro Twp., S.S. 13	Pub.	460	1	......	......	78	37
8	Scarboro Twp., S.S. 15	Pub.	544	1	......	......	55	30
9	Southampton	Pub.	228	1	......	‡	35	......
10	Trafalgar—See Oakville.							
11	Trenton	Pub.	1,060	1	......	......	163	......
12	Wiarton	Pub.	272	1	......	p.t.	31	......
	Rural Units							
1	Carleton County (Nepean Twp.)	Pub.	1,352	1	......	......	141	......
2	Haldimand County (part)	Pub.	1,313	1	......	......	141	105
3	Lincoln East	Pub. and Sep.	1,665	1	......	......	193	......
4	Lincoln West	Pub.	1,698	1	......	‡	164	......
5	Peel (part) and Brampton	Pub.	1,502	1	......	‡	210	89
6	Welland County (Stamford, Willoughby, Chippawa—January to June)	Pub.	1,780	1	......	‡	179	17
7	Welland County (Thorold and S.S. 2, Thorold)	Pub. and Sep.	1,091	1	......	p.t.	102	......
8	Welland County (Fort Erie, Bertie Twp., Chippawa—Sept. to Dec.)	Pub. and High	1,372	1	......	‡	116	5
9	Welland County (Fort Erie N.)	Pub. and High	1,127	1	......	......	......	......
10	Wentworth County	Pub.	2,866	2	......	p.t.	313	2
11	York County (Scarboro, S.S.10, 12)	Pub.	1,652	1	......	......	213	62
	(B) Totals		100,391	......	......	......	10,706	1,215

‡ In D.D.S. column means some dental work done by service clubs or other private agencies.
*Not given.

THE PUBLIC AND SEPARATE SCHOOLS OF ONTARIO, 1939

	No. of defects (other than dental) requiring correction found, 1939	No. of these defects corrected, 1939	No. of children with dental defects found, 1939	No. of children with dental defects corrected, 1939	No. excluded because of communicable disease	No. of Grade VIII children completing course, 1939	No. of these leaving with uncorrected defects	Vision	Hearing	Tonsils and defective nasal breathing	Dental	Other
1	70	47	1,492	681	113	202	124	7	......	26	91	......
2	153	124	485	396	190	198	23	1	1	6	18	1
3	267	80	406	77	261	520	285	9	......	110	163	3
4	161	65	360	254	77	190	38	4	1	12	24	2
5	70	25	148	151†	109	220	85	5	1	9	69	7
6	424	77	802	531	273	305	132	4	2	49	74	12
7	1,075	81	....	3,261	525	819	305	19	11	176	92	131
8	62	28	163	177†	211	108	73	6	......	9	58	......
9	220	93	304	344†	866	290	165	3	1	26	146	......
10	1,213	842	2,083	1,854	269	*	*	*	*	*	*	*
11	158	74	923	532	222	220	70	4	1	60	30	6
12	217	114	1,813	752	485	301	12	3	4	17	12	10
13	136	37	328	173	251	299	116	13	2	29	79	11
14	345	189	1,072	476	326	214	93	6	4	26	71	5
15	52	22	346	319	12	157	36	1	......	4	31	......
16	152	18	219	104	221	198	159	5	......	33	122	2
17	469	531	....	4,232	690	1,262	126	11	2	78	......	2
1	62	68	286	185	30	142	168	......	......	2	26	1
2												
3	180	66	305	245	195	115	38	1	1	23	......	......
4	36	25	48	....	18	45	4	......	......	......	......	......
5	86	35	876	193	138	92	74	......	......	6	......	......
6	57	49	744	499	218	159	39	1	1	40	14	4
7	328	81	232	303†	163	83	58	......	......	35	58	......
8	109	34	37	68†	218	46	45	1	......	10	31	5
9	79	54	328	276	92	162	67	3	......	47	28	......
1	49	14	119	55	48	57	24	1	......	14	9	......
2	9	3	16	43	36	26	17	3	......	5	11	......
3	51	14	165	102	72	101	47	1	......	12	35	3
4	45	24	413	413	41	36	3	1	......	4	......	......
5	37	29	....	....	47	84	*	*	*	*	*	*
6	....	....	....	....	....	....	....	......	......	......	......	......
7	115	97	133	28	79	39	21	6	2	10	6	4
8	43	27	116	94	13	46	5	......	......	6	2	......
9	3	....	114	35	86	28	7	1	......	14	7	......
11	38	38	143	242†	76	88	....	......	......	......	......	......
12	6	1	80	100†	14	33	10	......	......	......	10	......
1	62	13	191	112	48	166	117	7	1	23	86	......
2	76	57	114	222†	36	98	55	1	2	24	40	......
3	140	47	308	116	18	164	108	3	2	22	81	......
4	140	45	147	189†	68	178	69	......	......	34	51	......
5	347	147	166	137	183	144	104	10	......	98	35	10
6	109	71	521	557†	56	163	61	1	......	8	52	......
7	65	17	320	244	50	134	80	7	1	20	55	5
8	84	27	452	303	59	61	36	1	......	10	29	1
9	32	17	230	174	21	61	4	2	......	2	......	1
10	208	94	491	293	267	258	106	3	......	34	73	3
11	375	48	143	98	375	178	178	8	3	116	105	......
	8,215	3,689	18,182	19,640	7,866	8,490	3,387	163	43	1,289	1,924	229

† This total includes correction of dental defects found previous to 1939.

TABLE 6—REPORT OF THE HEALTH SERVICES IN

(C) Municipalities in which School Nursing Service is paid for by School Boards and given by V.O.N.		No. of School Children Enrolled	Personnel			No. of Children entering Grade I.	No. of these who had physical examination before entering
			Reg. Nurse	M.D.	D.D.S.		
Municipality	School						
1 Braeside	Pub.	98	½	......	......	6	....
2 Cobalt	Pub. and Sep.	667	½	......	‡	91	....
3 Eastview	Pub.	186	¼	......	......	25	....
4 Huntsville	Pub.	517	½	......	‡	60	....
5 London Twp., SS. 28	Pub.	72	¼	......	......	16	....
6 Napanee	Pub.	460	½	......	‡	43	21
7 Nelson Twp.	Pub.	210	¼	......	......	30	....
8 New Liskeard	Pub. and Sep.	*	½	......	......	69	....
9 Point Edward	Pub.	190	¼	......	......	29	....
10 Preston	Pub. and Sep.	950	½	......	......	94	59
11 Walkerton	Pub., Sep. and High	582	¼	......	......	45	39
12 Westminster Twp., S.S. 22	Pub.	200	¼	......	......	24	....
13 Whitby	Pub. and Sep.	508	½	......	‡	61	....
(C) Totals		4,640	......	......	......	593	119
(D) *Private Agency Sponsoring Nursing Service*							
1 Hespeler	Pub. and Sep.	486	½	......	......	40	....
2 Scarboro Twp.		....	......	......	......	....	....
3 St. Theresa	Sep.	69	¼	......	......	5	....
4 St. Dunstan	Sep.	190	½	......	......	33	....
5 Schumacher	Pub.	750	1	⅛	p.t.	70	....
6 South Porcupine	Pub.	805	1	⅛	p.t.	142	....
7 Creighton, Levack, Copper Cliff	Pub	1,234	1	......	......	*	*
(D) Totals		3,534	......	......	......	290	....
(E) Municipalities in which School Nursing Service is given by Red Cross from Outposts							
1 Apsley	Pub.	213	¼	......	......	25	....
2 Armstrong	Pub.	118	¼	......	......	18	....
3 Atikokan	Pub.	....	¼	......	......	....	....
4 Callander	Pub. and Sep.	1,662	¾	......	......	216	....
5 Coe Hill	Pub.	311	¼	......	......	72	....
6 Haliburton	Pub.	442	¼	......	......	*	*
7 Hornepayne	Pub.	210	¼	......	......	14	....
8 Kakabeka Falls	Pub. and Sep.	....	¼	......	......	....	....
9 Lion's Head	Pub.	....	¼	......	......	....	....
10 Manitoulin Island	Pub. and Sep.	1,426	¾	......	......	191	....
11 Nakina		102	¼	......	p.t.	15	....
12 Port Loring	Pub.	339	¼	......	......	29	....
13 Quibel	Pub.	210	¼	......	......	15	....
14 Rainy River		220	¼	......	......	93	....
15 Redditt	Pub.	108	¼	......	......	14	....
16 St. Joseph's Island	Pub.	529	¼	......	‡	49	....
17 Whitney	Pub. and Sep.	354	¼	......	......	*	....
18 Wilberforce	Pub.	300	¼	......	......	46	....
19 Toronto Twp., Port Credit	Pub.	720	½	......	‡	95	....
(E) Totals		7,264	......	......	......	892	....
Grand Totals		357,250	......	......	......	35,505	3,345

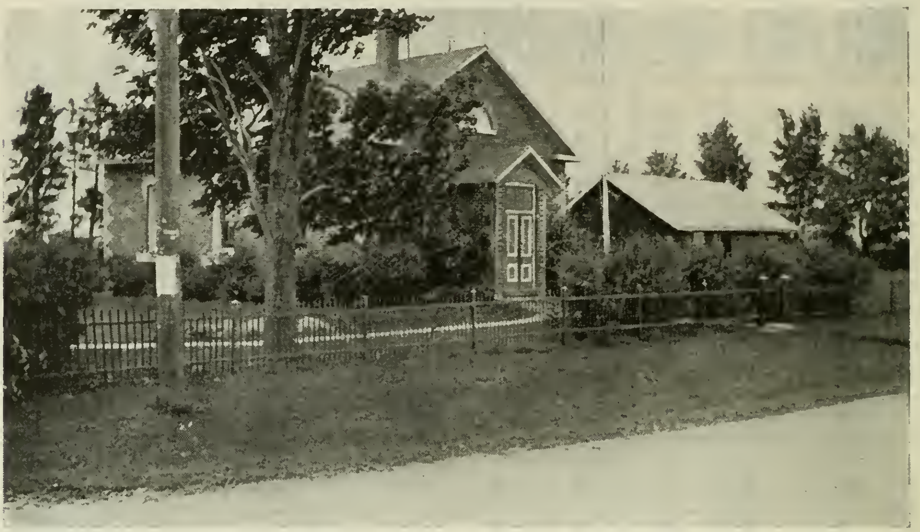
‡ In D.D.S. column means some dental work done by service clubs or other private agencies.
* Not given.

THE PUBLIC AND SEPARATE SCHOOLS OF ONTARIO, 1939

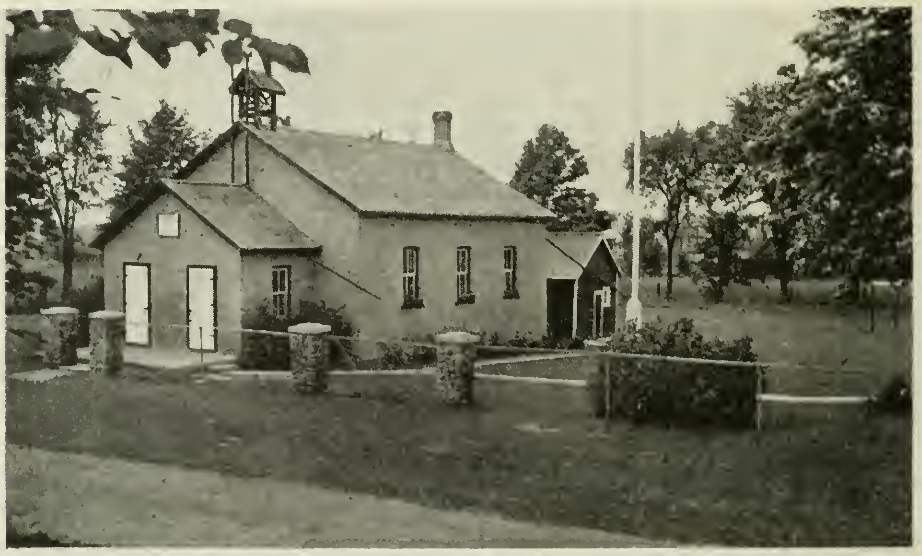
	No. of defects (other than dental) requiring correction found, 1939	No. of these defects corrected, 1939	No. of children with dental defects found, 1939	No. of children with dental defects corrected, 1939	No. excluded because of communicable disease	No. of Grade VIII children completing course, 1939	No. of these leaving with uncorrected defects	Vision	Hearing	Tonsils and defective nasal breathing	Dental	Other
1	64	*	79	*	48	6	....	32	2	29	......	......
2	24	15	67	58	25	65	13	1	2	5	13	......
3	17	6	72	14	13	27	21	2	......	14	9	......
4	27	4	114	74	34	46	35	1	......	6	16	3
5	1	....	23	6	2	11	4	......	..	1	3	......
6	44	16	112	100	66	37	7	1	......	4	3	1
7	19	2	45	24	33	17	5	1	......	4	2	......
8	24	21	94	35	9	69	7	1	......	4	1	1
9	5	1	22	8	20	15	5	......	......	5	......	......
10	7	....	10	19†	49	....	30	......	......	5	26	......
11	49	10	16	36†	16	31	17	5	......	2	10	......
12	1	....	20	18	11	17	7	......	......	1	6	......
13	32	30	101	85	13	64	3	1	......	1	......	1
	314	105	775	477	339	405	154	45	4	81	89	6
1	36	9	*	1	10	*	*	*	*	*	*	*
2	....	....	....	....	....	....	....	......	......	......	......	......
3	6	5	39	1	5	10	8	......	......	......	8	......
4	6	5	28	1	15	28	6	......	......	4	2	......
5	31	14	328	183	110	61	46	1	......	23	25	......
6	73	1	141	99	52	58	54	7	......	20	31	6
7	694	22	751	146	36	*	*	*	*	*	*	*
	846	56	1,287	431	228	157	114	8	......	47	66	6
1	17	....	21	*	*	*	*	*	*	*	*	*
2	16	12	81	3	*	4	2	*	*	*	2	......
3	....	....	....	....	....	....	....	......	......	......	......	......
4	265	2	746	20	201	254	140	4	......	34	86	30
5	64	10	274	*	16	16	7	1	......	7	......	......
6	469	*	173	*	*	*	*	*	*	*	*	*
7	4	4	27	8	10	17	*	*	*	2	......	1
8	....	....	....	....	....	....	....	......	......	......	......	......
9	....	....	....	....	....	....	....	......	......	......	......	......
10	43	*	321	71	16	114	50	1	......	27	17	5
11	9	42	39	104†	4	6	4	......	......	3	*	......
12	13	*	28	4	5	9	6	......	......	3	3	......
13	*	1	100	*	4	*	*	*	*	*	*	*
14	19	*	184	30	34	32	24	......	......	......	24	......
15	10	2	66	12	3	6	9	2	......	1	4	......
16	20	19	387	387	*	*	*	*	*	*	*	*
17	37	....	48	....	10	*	*	*	*	*	*	*
18	77	*	154	5	4	25	*	*	*	*	*	*
19	21	5	67	25	20	92	92	2	2	27	60	1
	1,084	97	2,716	669	327	575	334	10	2	104	196	37
	37,790	11,972	112,549	79,415	46,660	20,452	9,005	423	89	2,964	5,130	1,244

† This total includes correction of dental defects previous to 1939.

BEAUTY IN RURAL SCHOOL GROUNDS



S.S. 2 Thorah—Winner of the Provincial Rural School Improvement Competition 1938.



S.S. 1 Mara—Winner of Ontario County School Grounds Beautification Contest 1940.

THE PUBLIC SCHOOLS

TABLE 7—AGE-GRADE DISTRIBUTION, MAY, 1939

(A) ALL SCHOOLS

		Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals	Totals by Grades	Per cent of Total Enrolment	Average Age		Average Increment of Age between Grades		
																					By Sex	Average		By Sex	Average
Kindergarten...	Boys	39	4018	3539	171	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7767	14982	3.3	6.1	6.0			
	Girls	43	3855	3199	118	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7215			6.0				
Kindergarten-Primary.....	Boys	2	1033	2276	687	111	29	10	3	2	2	.....	.....	.....	.....	.....	.....	4155	8063	1.8	6.5	6.5			
	Girls	3	1040	2102	631	97	23	6	3	2	1	.....	.....	.....	.....	.....	.....	3908			6.5				
GRADE I.....	Boys	11	1003	12338	14910	4747	1187	347	152	84	37	22	10	4	1	1	1	34855	65719	14.5	7.4	7.3			
	Girls	6	1185	12376	13005	3270	686	176	72	36	23	13	5	7	1	2	1	30864			7.2				
GRADE II....	Boys	.....	21	458	8425	13263	5404	1655	621	227	100	50	13	5	2	.....	.....	30244	57742	12.7	8.6	8.5	Grade I to Grade II	1.2	1.2
	Girls	.....	7	575	9302	12353	3810	956	272	118	59	29	12	5	.....	.....	.....	27498			8.4			1.2	
GRADE III...	Boys	.....	.....	14	488	6648	10444	5071	2039	667	294	103	37	12	5	2	.....	25824	48218	10.6	9.7	9.6	Grade II to Grade III	1.1	1.1
	Girls	.....	.....	12	729	6370	9527	3758	1371	401	152	38	27	4	5	.....	.....	22394			9.5			1.1	
GRADE IV...	Boys	.....	.....	.....	33	1573	6466	7283	4013	1699	675	240	85	22	9	4	.....	22102	42818	9.4	10.6	10.4	Grade III to Grade IV	.9	.8
	Girls	.....	.....	.....	60	2119	7603	6751	2775	907	329	122	33	14	2	1	.....	20716			10.2			.7	
GRADE V....	Boys	.....	.....	.....	2	102	2679	7718	6769	3902	1907	743	248	40	5	2	.....	24117	46832	10.3	11.4	11.2	Grade IV to Grade V	.8	.8
	Girls	.....	.....	.....	1	161	3731	8627	5839	2707	1119	364	127	29	7	2	1	22715			11.0			.8	
GRADE VI...	Boys	.....	.....	.....	.....	101	1563	6009	8493	6026	3510	1545	1114	104	5	2	1	28473	55583	12.3	12.0	12.0	Grade V to Grade VI	.6	.8
	Girls	.....	.....	.....	.....	2	207	4739	10474	6477	3386	1324	413	81	6	1	.....	27110			12.0			1.0	
GRADE VII..	Boys	.....	.....	.....	.....	.....	24	194	3388	8333	7351	4752	2065	197	45	10	.....	26359	52579	11.6	13.3	13.1	Grade VI to Grade VII	1.0	1.1
	Girls	.....	.....	.....	.....	.....	7	371	4715	9331	6807	3470	1292	207	17	3	.....	26220			13.0			1.3	
GRADE VIII..	Boys	.....	.....	.....	.....	.....	1	5	223	3351	7991	7027	4076	1457	255	32	5	24423	50407	11.1	14.2	14.1	Grade VII to Grade VIII	.9	1.0
	Girls	.....	.....	.....	.....	.....	.....	8	377	4503	9326	7017	3628	951	138	31	5	25984			14.0			1.0	
GRADE IX...	Boys	.....	.....	.....	.....	.....	.....	.....	3	67	374	650	507	230	56	8	2	1897	4660	1.0	14.8	14.8	Grade VIII to Grade IX	.6	.7
	Girls	.....	.....	.....	.....	.....	.....	.....	10	90	579	967	745	287	74	9	2	2763			14.8			.8	
GRADE X....	Boys	.....	.....	.....	.....	.....	.....	.....	.....	5	38	121	237	155	62	18	8	644	1701	.4	15.7	15.9	Grade IX to Grade X	.9	1.1
	Girls	.....	.....	.....	.....	.....	.....	.....	.....	2	40	164	364	289	137	48	13	1057			16.0			1.2	
JR AUXILIARY CLASSES.....	Boys	.....	.....	5	40	97	198	302	326	361	343	363	367	123	37	7	3	2572	3878	1.0	12.8	12.7	....	.....	.....
	Girls	.....	.....	3	15	50	124	158	190	240	205	134	110	50	20	4	3	1306			12.5		....	.....	.....
TOTALS BY SEXES....	Boys	52	6075	18630	24756	26642	27995	28594	26030	24724	22622	15616	8759	2349	482	86	20	233432	......	......	......	......	Average.....	.9	.9
	Girls	52	6087	18267	23861	24422	25718	25550	26098	24814	22026	13642	6756	1924	407	101	25	219750	......	......	......	......		.9	
GRAND TOTALS.	.....	104	12162	36897	48617	51064	53713	54144	52128	49538	44648	29258	15515	4273	889	187	45	453182							

Heavy lines denote ideal age spread for each grade.

(B) URBAN SCHOOLS

		Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
Kindergarten	Boys	39	3,868	3,385	163	......	......	......	......	......	......	......	......	......	......	......	......	7,455	14,387
	Girls	43	3,715	3,058	116	......	......	......	......	......	......	......	......	......	......	......	......	6,932	
Kindergarten-Primary	Boys	2	786	1,790	507	75	14	4	......	1	......	......	......	......	......	......	......	3,179	6,112
	Girls	......	791	1,617	449	57	16	3	......	......	......	......	......	......	......	......	......	2,933	
GRADE I	Boys	......	150	6,312	8,247	2,474	496	81	41	13	6	5	3	2	1		......	17,831	33,694
	Girls	1	213	6,341	7,327	1,585	282	62	22	9	9	6	2	3	......	1	......	15,863	
GRADE II	Boys	......	1	136	4,933	7,831	3,039	839	271	76	36	19	6	1	2	......	......	17,190	33,362
	Girls	......	......	176	5,576	7,642	2,084	499	122	36	18	11	6	2	......	......	......	16,172	
GRADE III	Boys	......	......	11	189	3,669	5,979	2,750	1,092	301	101	29	24	4	2	1	......	14,152	26,383
	Girls	......	......	4	295	3,099	5,634	2,146	811	172	41	14	13	......	2	......	......	12,231	
GRADE IV	Boys	......	......	......	13	928	3,832	4,033	2,209	856	288	105	34	12	5	3	......	12,318	24,122
	Girls	......	......	......	17	1,245	4,410	3,842	1,597	483	140	41	19	8	1	1	......	11,804	
GRADE V	Boys	......	......	......	......	44	1,620	4,555	3,850	2,151	1,007	389	138	25	4	1	......	13,784	27,205
	Girls	......	......	......	......	64	2,248	5,165	3,448	1,591	607	207	75	14	2	......	......	13,421	
GRADE VI	Boys	......	......	......	......	......	34	2,104	5,216	4,061	2,662	1,301	1,078	94	4	1	1	16,556	32,469
	Girls	......	......	......	......	2	72	2,713	6,190	3,714	2,069	832	269	49	3	......	......	15,913	
GRADE VII	Boys	......	......	......	......	......	18	75	1,987	4,880	4,258	3,012	1,470	73	29	7	......	15,809	31,758
	Girls	......	......	......	......	......	3	158	2,712	5,586	4,087	2,335	915	143	9	1	......	15,949	
GRADE VIII	Boys	......	......	......	......	......	......	2	101	1,878	4,599	4,011	2,605	999	184	25	3	14,407	29,801
	Girls	......	......	......	......	......	......	2	132	2,467	5,350	4,182	2,454	676	100	27	4	15,394	
GRADE IX	Boys	......	......	......	......	......	......	......	......	21	130	294	227	125	33	2	2	834	2,136
	Girls	......	......	......	......	......	......	......	4	21	177	451	401	193	49	6	......	1,302	
GRADE X	Boys	......	......	......	......	......	......	......	......	......	7	44	105	92	38	11	6	303	940
	Girls	......	......	......	......	......	......	......	......	......	9	62	194	206	115	38	13	637	
JR. AUXILIARY CLASSES	Boys	......	......	4	39	79	157	250	277	316	293	315	348	115	37	7	3	2,240	3,332
	Girls	......	......	2	15	45	101	126	162	205	173	105	96	39	17	4	2	1,092	
TOTALS BY SEXES	Boys	41	4,805	11,638	14,091	15,100	15,189	14,693	15,044	14,554	13,387	9,524	6,038	1,542	339	58	15	136,058	....
	Girls	44	4,719	11,198	13,795	13,739	14,850	14,716	15,200	14,284	12,680	8,246	4,444	1,333	298	78	19	129,643	....
GRAND TOTALS	....	85	9,524	22,836	27,886	28,839	30,039	29,409	30,244	28,838	26,067	17,770	10,482	2,875	637	136	34	265,701	....

(C) RURAL SCHOOLS

		Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
Kindergarten	Boys	......	150	154	8	......	......	......	......	......	......	......	......	......	......	......	......	312	595
	Girls	......	140	141	2	......	......	......	......	......	......	......	......	......	......	......	......	283	
Kindergarten-Primary	Boys	......	247	486	180	36	15	6	3	1	2	......	......	......	......	......	......	976	1,951
	Girls	3	249	485	182	40	7	3	3	2	1	......	......	......	......	......	......	975	
GRADE I	Boys	11	853	6,026	6,663	2,273	691	266	111	71	31	17	7	2	......	1	1	17,024	32,025
	Girls	5	972	6,035	5,678	1,685	404	114	50	27	14	7	3	4	1	1	1	15,001	
GRADE II	Boys	......	20	322	3,492	5,432	2,365	816	350	151	64	31	7	4	......	......	......	13,054	24,380
	Girls	......	7	399	3,726	4,711	1,726	457	150	82	41	18	6	3	......	......	......	11,326	
GRADE III	Boys	......	......	3	299	2,979	4,465	2,321	947	366	193	74	13	8	3	1	......	11,672	21,835
	Girls	......	......	8	434	3,271	3,893	1,612	560	229	111	24	14	4	3	......	......	10,163	
GRADE IV	Boys	......	......	......	20	645	2,634	3,250	1,804	843	387	135	51	10	4	1	......	9,784	18,698
	Girls	......	......	......	43	874	3,193	2,909	1,178	424	189	81	14	6	1	......	......	8,192	
GRADE V	Boys	......	......	......	2	58	1,059	3,163	2,919	1,751	900	354	110	15	1	1	......	10,333	19,627
	Girls	......	......	......	1	97	1,483	3,462	2,391	1,116	512	157	52	15	5	2	1	9,294	
GRADE VI	Boys	......	......	......	......	101	1529	3,905	3,277	1,965	848	244	36	10	1	1	......	11,917	23,114
	Girls	......	......	......	......	......	135	2,026	4,284	2,763	1,317	492	144	32	3	1	......	11,197	
GRADE VII	Boys	......	......	......	......	......	6	119	1,401	3,453	3,093	1,740	595	124	16	3	......	10,550	20,821
	Girls	......	......	......	......	......	4	213	2,003	3,745	2,720	1,135	377	64	8	2	......	10,271	
GRADE VIII	Boys	......	......	......	......	......	1	3	122	1,473	3,392	3,016	1,471	458	71	7	2	10,016	20,606
	Girls	......	......	......	......	......	......	6	245	2,036	3,976	2,835	1,174	275	38	4	1	10,590	
GRADE IX	Boys	......	......	......	......	......	......	......	3	46	244	356	280	105	23	6	......	1,063	2,524
	Girls	......	......	......	......	......	......	......	6	69	402	516	344	94	25	3	2	1,461	
GRADE X	Boys	......	......	......	......	......	......	......	......	5	31	77	132	63	24	7	2	341	761
	Girls	......	......	......	......	......	......	......	......	2	31	102	170	83	22	10	......	420	
JR. AUXILIARY CLASSES	Boys	......	......	1	1	18	41	52	49	45	50	48	19	8	......	......	......	332	546
	Girls	......	......	1	......	5	23	32	28	35	32	29	14	11	3	......	1	214	
TOTALS BY SEXES	Boys	11	1,270	6,992	10, 665	11,542	12,806	13,901	10,986	10,170	9,235	6,092	2,721	807	143	28	5	97,374	....
	Girls	8	1,368	7,069	10,066	10,683	10.868	10,834	10,898	10,530	9,346	5,396	2,312	591	109	23	6	90,107	....
GRAND TOTALS	....	19	2,638	14,061	20,731	22.225	23,674	24,735	21,884	20,700	18,581	11,488	5,033	1,398	252	51	11	187,481	....

TABLE 8—EIGHT MEASURABLE EFFICIENCY TESTS APPLIED TO SCHOOLS IN CITIES, LARGE TOWNS AND CERTAIN SUBURBAN AREAS, 1939-40

Cities	1	2	3	4									5	6	7	8		
	May Enrolment per Class-room	Percentage of May Enrolment in Grades III and IV	Attendance Efficiency Percentage	Average Age for Each Grade, May 31, 1940								Span Grades I-VIII	Percentage of May Enrolment, Grades I-VIII securing H.S. Ent. Stand.	Percentage of Teachers holding a First Class Certificate	Percentage of Teachers holding a University Degree	Cost of Education per Pupil-Day (cents)		
				Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII					Current	Capital	Total
Belleville	40	20.6	92.6	7.3	8.7	9.6	10.6	11.3	12.5	13.2	14.0	6.7	9.9	60.5	2.8	25.4	10.1	35.5
Brantford	35	23.3	94.3	7.4	8.6	9.7	10.8	11.3	12.0	13.1	13.9	6.5	9.8	46.7	6.7	30.7	4.5	35.2
Chatham	37	25.2	94.1	7.2	8.4	9.0	10.4	11.3	12.1	13.1	14.1	6.9	9.4	37.9	3.4	32.1	......	32.1
Fort William	35	23.0	94.3	7.3	8.5	9.5	10.6	11.3	11.9	13.1	14.0	6.7	12.8	56.3	5.2	33.6	9.8	43.4
Galt	37	22.7	94.7	7.3	8.4	9.4	10.0	11.0	11.9	12.9	13.9	6.6	11.4	19.6	2.2	25.5	1.9	27.4
Guelph	40	20.0	93.1	7.3	8.4	9.6	9.9	11.0	11.9	12.8	13.8	6.5	11.8	60.0	....	23.2	2.3	25.5
Hamilton	39	26.2	92.6	7.2	8.3	9.4	10.5	11.5	12.5	13.3	14.0	6.8	9.6	51.3	12.8	28.7	7.0	35.7
Kingston	42	25.2	90.7	7.2	8.4	9.2	10.2	11.1	12.1	13.1	14.0	6.8	9.0	42.3	11.3	28.2	6.2	34.4
Kitchener	40	20.0	95.0	7.8	8.4	9.4	9.2	10.8	11.6	12.7	13.7	5.9	9.5	39.9	6.8	28.4	7.6	36.0
London	38	20.4	93.1	7.3	8.5	9.6	10.4	11.1	12.1	13.1	13.9	6.6	11.2	60.6	13.1	36.9	8.6	45.5
Niagara Falls	36	24.2	94.9	7.1	8.5	9.6	10.3	11.2	12.4	13.3	14.2	7.1	10.6	46.8	1.6	26.8	9.4	36.2
North Bay	31	22.4	96.2	7.2	8.4	9.4	10.2	11.2	12.1	13.0	14.0	6.8	13.9	86.0	....	31.6	8.3	39.9
Oshawa	40	28.9	94.3	7.5	8.6	9.8	10.9	11.9	12.8	13.2	14.2	6.7	10.2	41.4	10.3	22.3	7.9	30.2
Ottawa	38	15.6	90.7	7.2	8.3	9.5	9.7	10.7	11.8	12.9	14.1	6.9	12.2	66.8	24.4	49.5	9.4	58.9
Owen Sound	37	24.6	92.6	7.3	8.4	9.4	10.6	11.6	12.6	13.5	14.4	7.1	9.5	49.1	....	25.2	2.1	27.3
Peterborough	35	27.8	91.0	7.3	8.6	9.8	10.2	11.7	12.7	13.4	14.1	6.8	8.1	45.5	5.2	38.8	6.8	43.6
Port Arthur	36	29.5	94.2	7.6	8.7	9.9	10.9	11.9	12.5	13.1	14.2	6.6	11.1	80.0	9.3	34.0	1.1	35.1
St. Catharines	37	25.7	92.2	7.3	8.6	9.7	10.6	11.8	12.4	13.2	14.2	6.9	10.0	42.4	4.4	31.7	6.0	37.7
St. Thomas	31	25.4	94.3	7.2	8.2	9.5	10.4	11.5	12.2	13.4	14.4	7.2	10.4	65.5	5.5	28.1	3.1	31.2
Sarnia	35	22.4	94.4	6.7	8.0	9.2	10.1	10.6	11.7	12.7	13.8	7.1	11.2	52.4	3.2	32.7	4.8	37.5
Sault Ste. Marie	38	30.6	91.1	7.4	8.4	9.5	10.3	11.5	12.5	13.2	14.1	6.7	8.8	32.6	2.5	27.8	9.1	36.9
Stratford	33	21.6	92.6	7.2	8.3	9.3	10.3	10.8	11.8	12.7	13.6	6.4	13.4	42.7	....	28.7	7.7	36.4
Sudbury	37	26.1	94.0	7.1	8.4	9.5	10.4	11.8	12.6	12.9	14.0	6.9	11.5	67.3	3.5	24.6	6.0	30.6
Toronto	42	24.3	92.0	7.4	8.4	9.5	10.4	11.3	12.2	13.2	14.2	6.8	10.5	50.0	13.9	42.2	7.9	50.1
Welland	32	24.5	93.4	7.2	8.3	9.4	10.5	11.5	12.2	12.4	14.0	6.8	10.0	46.3	....	29.6	6.4	36.0
Windsor	36	24.4	94.1	7.5	8.4	9.4	10.3	11.3	12.4	13.3	14.2	6.7	11.9	46.3	10.5	34.2	6.7	40.9
Woodstock	37	28.7	93.3	7.3	8.4	9.5	10.3	11.2	12.0	13.0	13.9	6.6	11.0	57.9	....	27.3	6.4	33.7
Averages	39	24.0	92.6	7.3	8.6	9.5	10.4	11.3	12.2	13.2	14.1	6.8	10.5	51.3	11.3	36.4	8.2	44.6
Towns																		
Barrie	37	27.8	92.3	7.3	8.3	9.7	10.2	11.1	12.4	13.2	13.8	6.5	12.4	35.5	....	24.2	2.6	26.8
Brockville	37	26.4	90.6	6.8	8.0	9.0	10.2	11.1	12.2	13.1	14.4	7.6	8.7	34.3	....	28.0	......	28.0
Cornwall	40	22.7	93.8	7.4	8.3	9.7	10.2	11.1	11.9	13.2	13.8	6.4	13.1	43.5	4.3	24.1	6.5	30.6
Kenora	38	15.0	92.4	7.3	8.4	9.6	9.9	11.1	12.4	13.1	14.4	7.1	8.7	69.0	....	21.0	7.9	28.9
Kirkland Lake	33	26.9	95.9	7.3	8.6	9.6	10.7	12.3	12.4	13.3	14.5	7.2	8.2	70.1	....	29.8	7.1	36.9
Lindsay	33	25.0	92.3	7.6	8.7	10.0	10.7	11.4	12.4	13.1	13.9	6.3	10.5	60.7	....	24.0	3.5	27.5
Midland	34	27.5	94.1	7.3	8.8	9.8	10.6	11.6	12.7	13.3	14.5	7.2	11.4	45.5	....	24.0	D	......
Mimico	37	23.8	94.0	7.0	8.3	9.1	10.1	11.2	12.3	12.8	14.1	7.1	11.7	43.3	6.7	29.0	18.8	47.8
New Toronto	37	20.8	93.7	7.2	8.3	9.5	10.4	10.9	12.1	13.5	14.0	6.8	9.7	64.5	6.5	28.4	10.8	39.2
Orillia	38	26.2	93.9	7.2	8.3	9.4	10.5	11.5	12.6	13.5	14.2	7.0	10.0	40.6	....	22.0	2.3	24.3
Pembroke	36	23.4	94.0	7.3	8.3	9.7	10.5	11.1	12.2	13.1	13.9	6.6	n.r.	37.0	....	24.5	6.2	30.7
Port Colborne	42	20.9	93.6	7.6	8.8	9.4	10.3	11.3	12.2	13.3	14.2	6.6	8.4	26.5	....	21.8	8.7	30.5
Preston	36	29.9	93.2	7.1	8.2	9.2	10.3	11.4	12.0	12.8	13.6	6.5	8.5	47.4	....	25.2	2.6	27.8
Smith's Falls	37	25.4	94.1	7.4	8.9	10.0	10.9	11.8	12.5	13.8	14.5	7.1	10.3	48.1	....	24.1	1.4	25.5
Timmins	43	22.5	92.8	7.2	8.4	9.2	10.0	11.0	12.0	13.3	14.2	7.0	9.2	50.8	5.1	28.8	9.1	37.9
Trenton	39	23.8	94.4	7.6	8.9	10.2	11.2	12.1	12.4	13.3	14.3	6.7	7.7	68.0	4.0	21.0	4.2	25.2
Waterloo	34	18.4	95.9	7.1	8.3	9.5	9.6	10.8	11.6	12.7	13.7	6.6	12.3	34.4	12.5	30.0	9.8	39.8
Averages	35	23.9	93.7	7.3	8.5	9.5	10.4	11.3	12.2	13.2	14.2	6.9	9.8	49.7	2.3	25.8	6.7	32.5
Suburban Schools																		
York Twp.	40	23.2	93.3	7.2	8.2	9.3	10.0	11.0	11.9	12.9	13.8	6.6	10.1	53.8	3.8	29.3	3.0	32.3
East York Twp.	38	28.6	92.8	7.1	8.2	9.3	10.4	11.5	12.3	13.1	14.1	7.0	10.6	53.6	2.6	27.1	3.6	30.7
Aver.: City, Towns, Suburban	35	24.1	92.8	7.3	8.6	9.5	10.4	11.3	12.2	13.2	14.1	6.8	10.4	51.4	9.9	34.8	7.7	42.5
Ideal	41	*	100	6.9	8.1	9.3	*	*	11.7	12.9	14.1	7.2	8+	....	....	......	......	......

*No ideal offered in these cases till changes, caused by introduction of new course of study, become settled. n.r.—Not reported. D—In default.

Table 9—Promotion and Retardation in Cities, Large Towns and Certain Suburban Areas, for the School Year 1939-40—Percentages.

Cities	Kindergarten			Kindergarten-Primary			Grade I			Grade II			Grade III			Grade IV			Grade V			Grade VI			Grade VII			Grade VIII			Average		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Belleville	....	....	....	....	....	....	61	59	39	90	93	10	88	87	12	94	95	6	94	95	6	81	79	19	84	84	16	89	89	11	84	84	16
Brantford	....	....	....	95	95	5	85	85	15	91	91	9	87	87	13	92	92	8	89	91	11	90	90	10	87	86	13	83	82	17	89	88	11
Chatham	90	90	10	84	84	16	61	59	39*	60	85	40*	96	95	4	93	92	7	87	85	13	90	88	10	85	84	15	81	81	19	88	81	12
Fort William	94	94	6	100	100	....	85	84	15	92	92	8	90	90	10	95	95	5	93	92	8	92	92	8	90	90	10	93	93	7	92	92	8
Galt	....	....	....	95	94	5	80	76	20	81	81	19	82	81	18	92	92	8	91	91	9	90	90	10	91	91	9	91	91	9	88	88	12
Guelph	....	....	....	100	100	....	89	88	11	88	87	12	77	76	23	95	96	5	95	95	5	90	89	10	91	91	9	92	93	8	92	91	8
Hamilton	95	95	5	....	....	....	81	80	19	86	86	14	86	86	14	87	86	13	84	83	16	83	82	17	83	82	17	83	82	17	85	84	15
Kingston	....	....	....	96	96	4	83	83	17	88	87	12	89	87	11	92	91	8	89	89	11	90	90	10	91	91	9	90	90	10	89	89	11
Kitchener	92	91	8	89	88	11	85	86	15	90	90	10	91	91	9	95	95	5	83	83	17	86	85	14	79	78	21	83	81	17	86	85	14
London	98	98	2	84	82	16	89	89	11	86	85	14	89	88	11	92	91	8	90	90	10	89	88	11	88	88	12	89	88	11	90	85	10
Niagara Falls	....	....	....	....	....	....	84	84	16	93	92	7	91	90	9	92	92	8	77	74	23	82	82	18	91	90	9	74	73	26	85	85	15
North Bay	....	....	....	....	....	....	83	83	17	90	89	10	92	91	8	83	82	17	88	87	12	86	85	14	90	89	10	97	97	3	89	88	11
Oshawa	....	....	....	....	....	....	87	86	13	90	90	10	88	88	12	90	90	10	90	90	10	86	86	14	86	86	14	78	75	22	87	87	13
Ottawa	86	84	14	....	....	....	85	84	15	89	88	11	100	100	....	98	98	2	88	87	12	91	90	9	90	90	10	88	88	12	90	89	10
Owen Sound	98	98	2	....	....	....	82	82	18	90	89	10	93	93	7	91	91	9	89	89	11	88	89	12	88	89	12	89	94	11	90	90	10
Peterborough	100	100	....	100	100	....	81	78	19	84	82	16	86	85	14	90	89	10	89	89	11	86	86	14	84	83	16	87	87	13	87	86	13
Port Arthur	....	....	....	87	85	13	82	82	18	87	86	13	92	92	8	92	92	8	90	90	10	92	92	8	84	84	16	87	87	13	87	87	13
St. Catharines	....	....	....	94	95	4	81	80	19	88	87	12	88	87	12	92	92	8	89	89	11	89	88	11	90	89	10	91	91	9	89	89	11
St. Thomas	....	....	....	....	....	....	79	78	21	89	90	11	87	87	13	88	88	12	90	90	10	91	90	9	89	88	11	94	93	6	88	88	12
Sarnia	....	....	....	....	....	....	89	89	11	91	90	9	92	92	8	94	93	6	89	87	11	85	81	15	88	85	12	86	85	14	89	88	11
Sault Ste. Marie	....	....	....	99	99	1	84	83	16	89	89	11	89	89	11	92	92	8	92	92	8	85	82	15	87	86	13	83	83	17	89	89	11
Stratford	96	96	4	....	....	....	91	91	9	95	95	5	94	94	6	89	88	11	95	90	5	95	95	5	93	93	7	96	95	4	94	94	6
Sudbury	....	....	....	....	....	....	94	95	6	91	91	9	92	92	8	97	97	3	97	97	3	96	96	4	93	92	7	98	98	2	94	94	6
Toronto	83	81	17	....	....	....	84	83	16	92	92	8	92	91	8	91	91	9	89	88	11	87	87	13	85	84	15	80	77	20	87	86	13
Welland	100	100	....	97	97	3	85	85	15	88	87	12	87	86	13	92	92	8	81	..	19	93	93	7	91	91	9	83	82	17	88	88	12
Windsor	....	....	....	92	92	8	88	88	12	84	84	16	86	85	14	95	95	5	94	93	6	93	92	7	92	92	8	89	88	11	90	90	10
Woodstock	94	94	6	....	....	....	90	90	10	91	91	9	94	93	6	93	92	7	92	93	8	94	94	6	90	89	10	95	95	5	92	92	8
Averages, Cities	87	85	13	94	94	6	84	83	16	89	89	11	90	90	10	92	91	8	89	88	11	88	87	12	87	86	13	84	83	16	88	87	12
Towns																																	
Barrie	100	100	....	....	....	....	88	88	12	92	93	8	94	94	6	94	93	6	95	95	5	90	89	10	92	91	8	87	87	13	92	92	8
Brockville	....	....	....	....	....	....	84	83	16	84	82	16	95	96	5	92	92	8	93	93	7	93	93	7	84	83	16	86	89	14	89	82	11
Cornwall	....	....	....	78	76	22	82	78	18	93	94	7	94	93	6	92	93	8	93	93	7	100	100	....	93	93	7	97	96	3	93	93	7
Kenora	....	....	....	....	....	....	79	78	21	84	83	16	96	97	4	81	80	19	76	74	24	76	76	24	79	80	21	77	78	23	80	78	20
Kirkland Lake	....	....	....	....	....	....	81	82	19	95	95	5	95	96	5	99	99	1	97	97	3	95	94	5	91	90	9	85	83	15	91	92	9
Lindsay	....	....	....	....	....	....	85	86	15	87	88	13	91	92	9	87	88	13	92	92	8	86	87	14	97	97	3	88	87	12	89	89	11
Midland	....	....	....	....	....	....	81	82	19	80	78	20	89	88	11	87	88	13	88	87	12	81	79	19	79	78	21	92	92	8	85	84	15
Mimico	....	....	....	88	88	12	94	95	6	90	90	10	93	93	7	95	96	5	92	91	8	88	98	12	98	98	2	88	87	12	92	92	8
New Toronto	....	....	....	....	....	....	88	86	12	87	87	13	91	90	9	94	95	6	89	89	11	89	88	11	84	81	16	89	88	11	89	88	11
Orillia	....	....	....	....	....	....	86	85	14	94	95	6	91	91	9	95	95	5	89	86	11	87	94	13	75	75	25	86	85	14	88	88	12
Pembroke	83	82	17	....	....	....	65	60	35	85	84	15	89	88	11	86	82	14	83	75	17	83	83	17	75	74	25	NR	NR	NR	81	79	19
Port Colborne	....	....	....	93	93	7	88	89	12	88	86	12	77	76	23	98	98	2	76	73	24	83	83	17	76	75	24	81	80	19	85	84	15
Preston	....	....	....	96	96	4	91	92	9	95	95	5	87	88	13	96	96	4	87	86	13	93	93	7	90	90	10	75	74	25	90	90	10
Smith's Falls	....	....	....	82	85	18	75	72	25	90	91	10	89	92	11	95	95	5	91	92	9	95	94	5	87	89	13	96	96	4	89	90	11
Timmins	....	....	....	95	95	5	90	90	10	92	93	8	95	96	5	90	89	10	88	87	12	89	89	11	91	90	9	86	86	14	90	91	10
Trenton	....	....	....	....	....	....	61	61	29	79	75	21	97	96	3	87	87	13	86	86	14	84	85	16	85	84	15	83	82	17	80	81	20
Waterloo	....	....	....	100	100	....	84	83	16	91	90	9	100	100	....	100	100	....	88	87	12	89	89	11	84	83	16	95	94	5	88	87	12
Averages, Towns	93	92	7	93	93	7	82	82	8	89	89	11	93	93	7	93	93	7	88	87	12	89	88	11	86	85	14	87	86	13	88	88	12
Suburban Schools																																	
York Twp.	....	....	....	95	97	5	89	89	11	94	94	6	92	92	8	95	95	5	94	94	6	93	94	7	91	91	9	86	86	14	93	92	7
York East Twp.	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Averages, Cities, Towns, Suburban	87	85	13	94	94	6	84	84	16	90	89	10	90	90	10	92	92	8	89	89	11	88	88	12	87	86	13	85	84	15	88	87	12

*High percentages in Grades I and II due to half-yearly promotion system. These grades have been omitted in calculating the average.

A Percentage promoted in each grade.

B Percentage in grade one year or less who were promoted in one year.

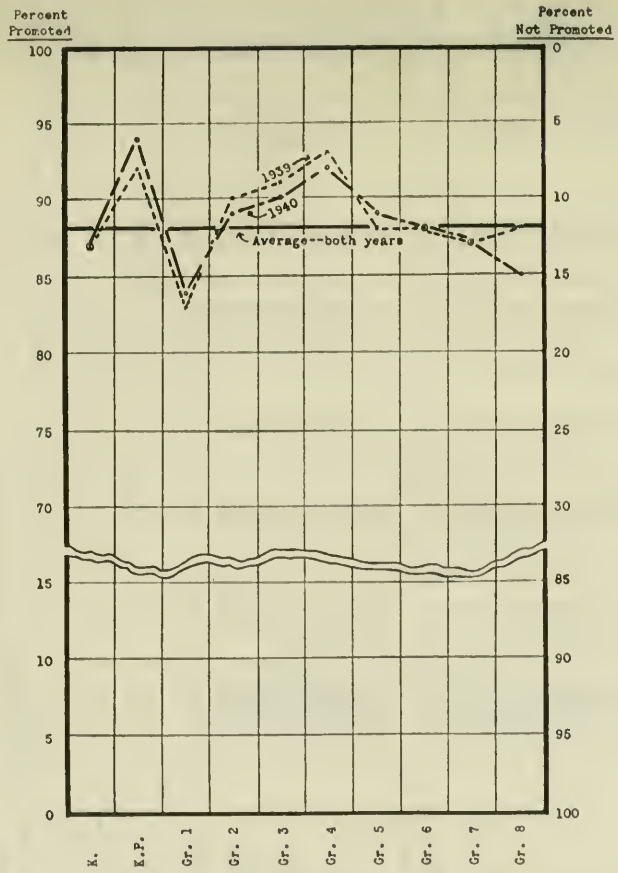
C Percentage not promoted.

NR Not reported.

REASONS FOR NON-PROMOTION—Percentages

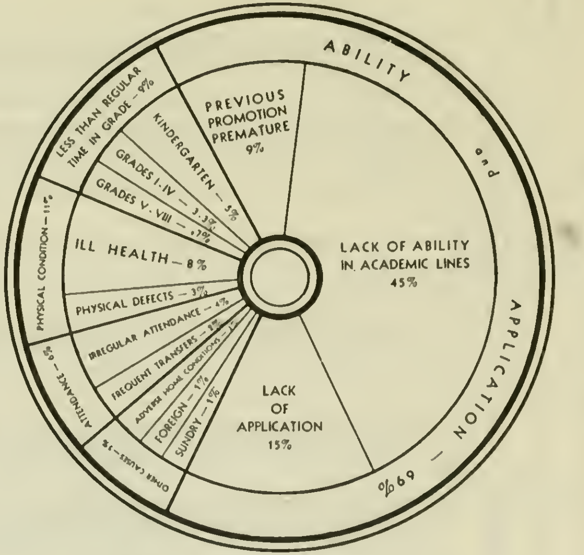
Cities	Less than regular time in Grade	Previous Promotion premature	Lack of ability in academic lines	Lack of application	Attendance		Ill-health		Physical Defects					Adverse home conditions	Foreign	Other minor causes
					Too frequent transfers	Irregular or interrupted for reasons other than ill-health	(a) affecting attendance	(b) not affecting attendance	Sight	Hearing	Speech	Deformity	Other causes			
Belleville	17	8	43	14	2	5	6	1	....	.7	....	....	.4	2	....	.4
Brantford	.5	8	52	19	2	4	7	1	1.2	.5	.3	....	.5	2	2	....
Chatham	41	3	35	10	2	2	4	.3	.3	....	.6	....	....	1	....	1
Fort William	14	7	46	13	2	1	6	1	....	....	1	....	1	2	2	4
Galt	3	22	50	9	2	1	6	2	1.5	....	1.5	....	....	1	.5	.5
Guelph	....	9	53	13	.5	3	7	3	1	1	3	....	....	4	....	2.5
Hamilton	3	10	47	17	2	4	8	2	1	.2	.4	.2	1	2	....	1
Kingston	2	6	48	16	.7	10	9	.7	.7	1	.7	.3	1	3	....	.3
Kitchener	1	15	49	14	3	2	7	.7	.4	.4	.4	.6	.4	4	1	1
London	2	11	49	19	3	3	5	2	1	.4	1	....	1.2	2	.1	1
Niagara Falls	.6	13	23	49	.6	.3	3	2	1	.3	.6	.3	.6	2	3	.3
North Bay	8	4	66	6	....	5	2	....	....	....	.7	....	2	5	1.4	....
Oshawa	1	4	44	21	4	2	5	3	.7	.9	1.	1	....	4	4	.7
Ottawa	13	6	48	14	1	4	7	.9	.1	....	.3	.1	2	2	.3	.8
Owen Sound	.5	10	46	20	2	5	11	2	....	.5	1	.5	....	1	....	....
Peterborough	2	8	47	17	.6	9	9	.6	1.5	.6	1.8	.3	....	3	....	....
Port Arthur	1	9	56	13	.3	3	7	2	.6	....	.3	....	.6	4	3	.6
St. Catharines	.3	11	55	17	.9	5	5	1	.3	.3	.6	....	....	....	.9	3
St. Thomas	3	5	61	14	2	2	6	.5	.5	....	1	....	.5	4	....	.5
Sarnia	1.3	15	52	17	1	1.3	3	3	.4	....	.4	....	....	1.3	....	4
Sault Ste. Marie	.6	8	53	17	.6	5	7	2	.3	.9	1	....	....	.9	2	.6
Stratford	3	8	60	7	.8	2	12	2	....	....	....	....	....	2	....	2
Sudbury	....	8	51	14	3	7	3	3	....	....	3	....	....	3	5	....
Toronto	14	9	41	13	2	4	7	1	.6	.5	1	.1	.7	3	1	2
Welland	.5	13	56	19	1	2.5	4	1	....	.5	....	.5	....	2	....	....
Windsor	23	7	38	14	4	3	6	.5	.7	.2	.6	....	....	2	.5	.5
Woodstock	....	13	61	6	2	2	8	....	....	....	3	1	....	....	....	4
Averages, Cities	10	9	45	15	2	4	6	1	.6	.4	.8	.2	.8	3	1	1
Towns																
Barrie	1	11	53	10	6	7	5	1	....	....	1	....	....	5	....	....
Brockville	4	22	50	10	....	1	4	1	2	....	4	....	....	6	....	....
Cornwall	9	9	32	4	2	3	19	2	1	....	.9	.5	....	6	3	6
Kenora	3	10	43	20	....	2	7	2	.9	....	....	....	....	5	2.8	2.8
Kirkland Lake	6	7	55	12	1	4	4	.5	....	....	....	....	....	4	4.6	2
Lindsay	1	5	54	15	13	3	4	....	....	....	3	....	....	2	....	....
Midland	.9	14	48	16	....	2	6	4	....	2	....	....	....	6	....	.9
Mimico	1	7	39	26	....	2	21	1	....	....	1.2	1.2	....	....	....	....
New Toronto	2	9	55	14	2	5	4	.8	.8	.8	.8	....	....	3	....	3
Orillia	6	8	43	18	5	2	5	1	3	.7	....	....	....	4	.7	....
Pembroke	25	1	44	17	....	4	4	1	....	....	2	....	....	2	....	....
Port Colborne	2	17	40	20	2	5	6	2.5	.5	....	....	....	1	.5	1	2.5
Preston	....	18	51	15	....	1.5	8	5	....	....	....	....	....	1.5	....	....
Smith's Falls	6	3	48	10	4	3	6	1	....	1	3	1	....	12.4	....	1
Timmins	9	8	40	19	2	4	....	7	1	....	....	....	....	4	6	....
Trenton	2	5	52	22	5	2	3	....	....	....	2	....	....	2	....	5
Waterloo	....	3	62	13	8	....	5	1	1	1	....	....	....	6	....	....
Averages, Towns	5	9	47	16	3	3	6	1	.6	.3	1	.1	.3	4	1	2
Suburban Schools																
York Twp.	2	7	45	22	3	5	6	2	.2	.5	1	.2	1	3	2	.4
York East Twp.	.	..	..	..	.	.	..	.	..	..	...	..	.	.	.	.
Averages, Cities, Towns, Suburban	9	9	45	15	2	4	7	1	.5	.4	.9	.2	.7	3	1	1

NOTE:—Less than Regular Time in Grade is divided among the grades as follows:
K. and K.P.—55%, Grade I—15%, Grade II—9%, Grade III—6%, Grade IV—7%, Grade V—3%, Grade VI—2%, Grade VII—1%, Grade VIII—2%.



Percentage of City Pupils Promoted, by Grades, 1939 and 1940

Graph 5.



Reasons for Non-Promotion City Schools, 1940

Graph 6.

TABLE 10—TEACHERS' SALARIES,† 1938-39

Highest, Lowest, Average

Rural Schools*	Male				Female			
	Highest	Lowest	Average	Increase in Average Over Last Year	Highest	Lowest	Average	Increase in Average Over Last Year
In Counties	$	$	$	$	$	$	$	$
Addington	800	700	730	23	950	600	738	57
Brant	1,330	550	821	15	1,050	600	744	19
Bruce	1,250	600	743	51	1,000	600	682	52
Carleton	2,000	550	875	—1	1,260	550	738	36
Dufferin	875	650	745	45	800	550	682	50
Dundas	1,200	600	763	59	950	600	684	56
Durham	1,100	600	750	35	1,100	600	708	32
Elgin	1,200	600	750	19	1,000	500	693	45
Essex	1,430	650	823	30	1,500	600	777	38
Frontenac	1,000	500	744	39	950	550	668	40
Glengarry	950	600	739	41	900	600	700	51
Grenville	800	550	663	58	900	550	659	45
Grey	1,000	600	743	23	1,000	550	681	56
Haldimand	975	650	781	47	900	500	705	37
Haliburton	950	600	712	32	800	600	651	19
Halton	1,250	700	875	108	1,200	600	768	28
Hastings	1,600	550	780	34	1,200	500	682	31
Huron	1,000	600	745	56	1,050	550	684	54
Kent	1,000	650	806	28	1,100	600	744	35
Lambton	1,250	550	745	72	1,080	525	682	39
Lanark	900	640	770	123	800	500	651	67
Leeds	975	600	688	9	950	500	658	37
Lennox	975	500	683	49	1,000	525	641	34
Lincoln	1,550	650	993	—7	1,305	600	814	17
Middlesex	1,700	600	770	37	1,100	540	698	41
Norfolk	1,050	650	803	64	1,200	600	718	44
Northumberland	1,050	600	750	35	900	600	687	30
Ontario	1,200	600	792	27	1,100	566	703	18
Oxford	1,260	600	845	37	900	520	704	30
Peel	1,500	650	922	37	1,260	500	776	9
Perth	1,050	600	721	19	900	500	705	46
Peterborough	1,150	500	755	41	925	500	684	39
Prescott	1,000	600	800	25	1,029	550	675	42
Prince Edward	1,200	600	772	61	950	575	675	62
Renfrew	1,075	550	730	34	800	500	667	63
Russell	1,000	625	791	—7	1,150	500	719	41
Simcoe	1,500	600	777	16	1,440	500	711	32
Stormont	1,100	650	821	38	1,250	550	682	27
Victoria	1,250	600	771	84	900	500	643	17
Waterloo	1,250	650	903	19	1,000	600	747	30
Welland	1,800	650	981	23	1,250	600	821	25
Wellington	1,830	550	768	75	1,075	600	700	42
Wentworth	1,600	650	1,025	84	1,150	600	778	26
York	2,000	600	964	33	1,400	600	819	36
Averages	2,000	500	797	43	1,500	500	707	41
In Districts								
Algoma	1,200	500	838	59	1,100	500	707	44
Cochrane	1,950	600	1,042	110	1,100	550	724	40
Kenora	1,550	600	1,053	73	1,200	600	828	30
Manitoulin	1,100	650	793	62	1,000	500	729	51
Muskoka	1,300	600	851	50	1,050	500	768	65
Nipissing	1,200	600	817	58	1,000	600	724	18
Parry Sound	1,500	550	837	25	1,000	550	712	19
Rainy River	1,300	650	859	63	1,550	650	788	5
Sudbury	1,800	600	1,007	63	1,150	600	841	66
Timiskaming	1,600	600	905	10	1,500	600	779	41
Thunder Bay	1,800	700	938	47	1,200	600	809	1
Averages	1,950	500	909	53	1,550	500	764	32
Averages for Counties and Districts	2,000	500	823	45	1,550	500	714	39
Large suburban and semi-urban schools	3,500	800	1,482	46	2,500	700	1,187	36
All rural, suburban, and semi-urban schools	3,500	500	917	44	2,500	500	772	..

†All regular full-time teachers.

*Exclusive of large suburban and semi-urban schools.

—Decrease.

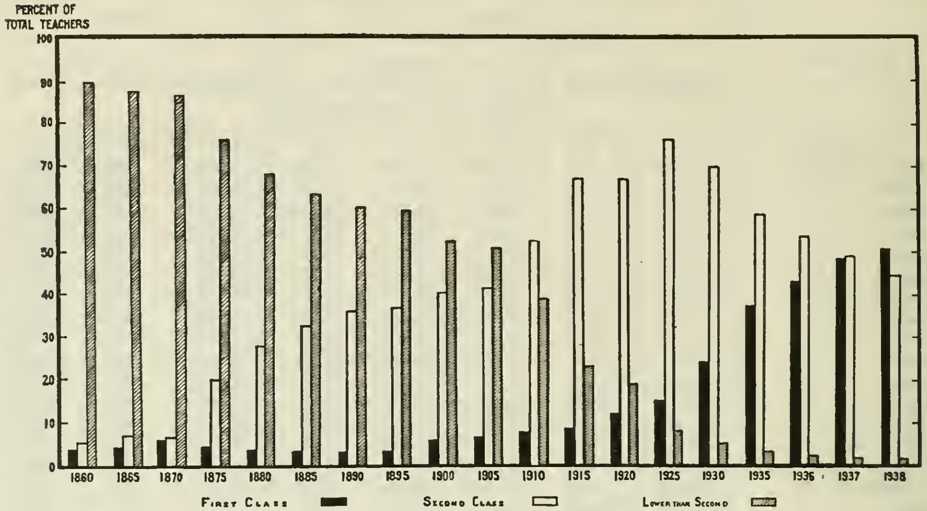
TABLE 10—TEACHERS' SALARIES,† 1938-39

Highest, Lowest, Average

City Schools	Male					Female		
	Highest	Lowest	Average			Highest	Lowest	Average
			All	Principals	Assistants			
In Counties	$	$	$	$	$	$	$	$
Belleville	2,200	850	1,550	2,187	1,267	1,300	800	1,106
Brantford	2,600	1,250	2,016	2,315	1,530	1,625	900	1,411
Chatham	2,650	1,125	1,745	2,650	1,544	2,550	850	1,376
Galt	1,900	850	1,527	1,880	1,371	1,200	900	1,152
Guelph	2,300	875	1,427	1,687	1,167	1,300	800	1,121
Hamilton	3,400	1,100	1,948	2,828	1,499	2,000	800	1,338
Kingston	2,400	1,000	1,920	2,216	1,233	1,650	800	1,272
Kitchener	2,750	950	1,699	2,293	1,492	1,700	800	1,211
London	3,125	1,000	1,875	2,482	1,677	2,012	737	1,050
Niagara Falls	2,300	1,000	1,727	2,110	1,408	2,200	800	1,250
Oshawa	2,565	1,125	1,663	2,222	1,384	1,690	700	1,828
Ottawa	3,800	1,000	2,280	3,166	2,024	3,600	800	1,828
Owen Sound	2,200	750	1,537	2,130	1,208	1,350	750	1,109
Peterborough	2,850	902	2,107	2,802	1,695	1,615	902	1,500
St. Catharines	2,600	1,050	1,982	2,407	1,645	1,700	800	1,302
St. Thomas	2,200	800	1,552	2,025	1,236	1,400	750	1,134
Sarnia	2,600	1,250	1,958	2,380	1,676	1,700	935	1,366
Stratford	2,100	850	1,643	1,971	1,314	1,450	800	1,264
Toronto	4,000	1,200	2,731	3,596	2,502	3,800	600	1,888
Welland	2,000	1,100	1,575	1,916	1,233	1,400	1,100	1,280
Windsor	3,200	935	1,772	2,792	1,402	2,350	850	1,401
Woodstock	2,350	1,000	1,511	1,660	1,325	1,235	800	1,033
Averages	4,000	750	2,294	2,898	2,092	3,800	600	1,577
In Districts								
Fort William	2,975	750	1,907	2,822	1,522	1,700	600	1,409
North Bay	2,375	950	1,604	2,242	1,080	1,473	998	1,218
Port Arthur	2,772	1,237	1,760	2,268	1,117	1,732	1,000	1,416
Sault Ste. Marie	2,385	900	1,591	1,950	1,186	2,045	900	1,302
Sudbury	2,420	900	1,836	2,268	1,117	1,430	900	1,166
Averages	2,975	750	1,752	2,308	1,309	2,045	600	1,323
All Cities	4,000	750	2,257	2,829	2,055	3,800	600	1,559
Towns	3,400	650	1,371	1,749	1,074	2,200	600	994
Villages‡	2,700	675	1,164	1,241	1,035	2,250	500	851
All Urban Schools	5,000	650	1,954	2,207	1,823	3,800	500	1,379
All Schools (Rural and Urban)	5,000	500	1,434	....	....	3,800	500	1,077

†All regular full-time teachers.
‡Excludes Forest Hill Village.

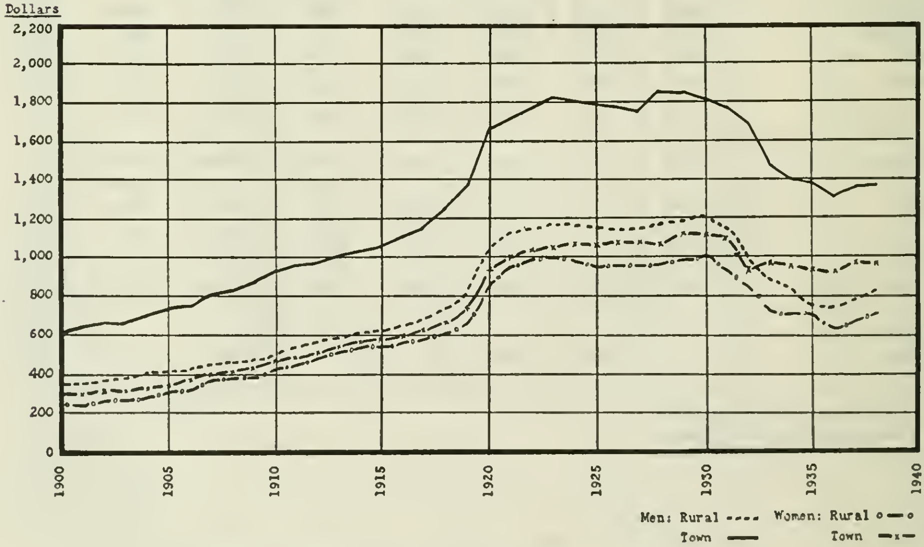
TREND IN PUBLIC SCHOOL TEACHERS' CERTIFICATES
1860 to 1938



The above graphically depicts the rising standard in teachers' certificates.

Graph 7.

TREND IN PUBLIC SCHOOL TEACHERS' SALARIES
1900 to 1938



Average Town Salaries have been chosen as a fair indication of the trend of Urban salaries in comparison with Rural Salaries.

Graph 8.

TABLE 11—TEACHERS' SALARIES, 1938-39—Frequency Distribution

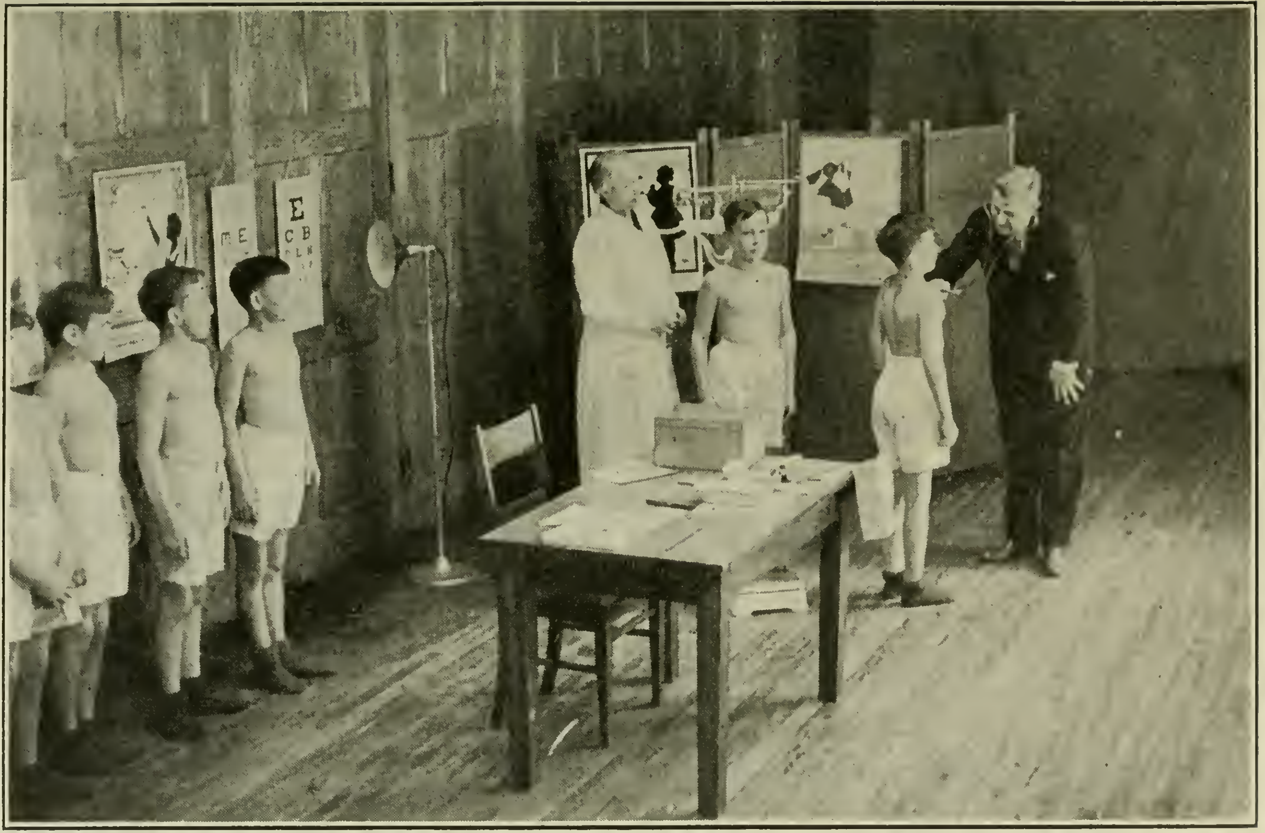
Salary Range	Rural Schools							Urban Schools									All Schools				
	Ungraded and Partly Graded		Fully Graded		Totals	Group Totals	Group Per-cent-ages	Cities		Towns		Villages		Totals	Group Totals	Group Per-cent-ages	Male	Female	Totals	Group Totals	Group Per-cent-ages
	Male	Female	Male	Female				Male	Female	Male	Female	Male	Female								
$5,000	......	......	......	......	......	14	.2	......	......	......	......	*1	......	1	582	8.0	1	......	1	596	4.1
$4,000	......	......	......	......	......			1	......	......	......	......	......	1			1	......	1		
$3,800	......	......	......	......	......			3	1	......	......	......	......	4			3	1	4		
$3,700	......	......	......	......	......			55	1	......	......	......	......	56			55	1	56		
$3,500-$3,699	......	......	1	......	1			13	3	......	......	......	......	16			14	3	17		
$3,300-$3,499	......	......	1	......	1			58	3	1	......	*2	......	64			62	3	65		
$3,100-$3,299	......	......	1	......	1			16	2	1	......	......	*1	20			18	3	21		
$2,900-$3,099	......	......	......	......	......			107	1	2	......	......	......	110			109	1	110		
$2,700-$2,899	......	......	4	......	4			148	7	1	......	*1	......	157			154	7	161		
$2,500-$2,699	......	......	6	1	7			137	5	10	......	*1	......	153			154	6	160		
$2,400-$2,499	......	......	5	......	5	37	.5	39	20	4	......	......	......	63	1,265	17.3	48	20	68	1,302	8.9
$2,300-$2,399	......	......	8	......	8			33	65	3	......	3	......	104			47	65	112		
$2,200-$2,299	......	......	6	1	7			49	767	7	2	2	1	828			64	771	835		
$2,100-$2,199	......	......	7	......	7			48	91	9	......	2	......	150			66	91	157		
$2,000-$2,099	2	......	8	......	10			44	61	15	......	......	......	120			69	61	130		
$1,900-$1,999	1	......	4	......	5	125	1.8	55	111	17	......	......	......	183	1,386	19.0	77	111	188	1,511	10.4
$1,800-$1,899	8	......	15	2	25			34	124	21	1	7	......	187			85	127	212		
$1,700-$1,799	3	......	6	1	10			41	170	16	4	8	......	239			74	175	249		
$1,600-$1,699	4	3	10	5	22			48	238	28	2	5	3	324			95	251	346		
$1,500-$1,599	13	2	22	26	63			36	364	19	19	7	8	453			97	419	516		
$1,400-$1,499	12	1	22	126	161	1,006	13.9	25	263	16	37	13	7	361	2,459	33.7	88	434	522	3,465	23.8
$1,300-$1,399	15	2	16	77	110			35	280	10	40	20	5	390			97	403	500		
$1,200-$1,299	43	18	28	96	185			35	339	29	60	18	8	489			153	521	674		
$1,100-$1,199	45	28	22	60	155			50	247	26	177	19	7	526			162	519	681		
$1,001-$1,099	27	25	19	69	140			20	172	18	133	7	21	371			91	420	511		
$1,000	81	110	18	46	255			18	109	20	132	12	31	322			149	428	577		
$901-$999	55	59	9	44	167	493	6.8	18	113	21	142	9	33	336	731	10.0	112	391	503	1,224	8.4
$900	106	153	10	57	326			6	122	28	167	15	57	395			165	556	721		
$851-$899	16	19	......	5	40	1,674	23.1	5	35	5	44	1	19	109	735	10.1	27	122	149	2,409	16.6
$850	82	137	9	33	261			4	50	23	63	16	33	189			134	316	450		
$801-$849	27	60	......	3	90			1	12	7	48	1	12	81			36	135	171		
$800	179	445	3	11	638			1	46	16	65	13	70	211			212	637	849		
$751-$799	21	76	......	......	97			......	4	......	9	2	14	29			23	103	126		
$750	141	396	......	11	548			2	8	6	65	3	32	116			152	512	664		
$701-$749	38	133	......	......	171	1,650	22.8	......	1	1	9	......	10	21	97	1.3	39	153	192	1,747	12.0
$700	308	1,170	......	1	1,479			......	5	2	38	3	28	76			313	1,242	1,555		
$651-$699	29	166	......	......	195	2,136	29.5	1	......	......	......	......	13	14	50	.6	30	179	209	2,186	15.0
$650	110	714	......	1	825			......	2	1	4	......	12	19			111	733	844		
$601-$649	13	130	......	......	143			......	......	......	......	......	2	2			13	132	145		
$600	118	855	......	......	973			......	3	......	2	......	10	15			118	870	988		
$551-$599	1	13	......	......	14	101	1.4	......	......	......	......	......	......	......	3	.04	1	13	14	104	.8
$550	11	42	......	......	53			......	......	......	......	......	1	1			11	43	54		
$501-$549	......	6	......	......	6			......	......	......	......	......	......	......			......	6	6		
$500	4	24	......	......	28			......	......	......	......	......	2	2			4	26	30		
Below $500	......	......	......	......	......			......	......	......	......	......	......	......			......	......	......		
Totals	1,513	4,787	260	676	7,236	......	......	1,186	3,845	383	1,263	191	440	7,308	......	......	3,533	11,011	14,544	......	......

*In Toronto Suburban Area.

Table 12—Percentage Teacher Turnover in Rural Schools

Group	County or District	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	10 year* Average
Metropolitan Area:	1 York	18.5	17.7	13.4	9.1	12.1	10.3	9.6	11.3	11.7	12.4	12.6
Toronto-Hamilton-Niagara Area:	2 Welland	34.2	29.5	34.0	19.0	19.5	17.1	13.7	17.5	17.8	17.3	22.8
	3 Wentworth	31.9	31.3	33.3	26.8	21.5	12.3	18.7	12.9	18.3	18.7	23.1
	4 Lincoln	27.7	37.9	30.9	20.0	16.2	23.5	18.1	21.6	16.5	25.2	24.8
	5 Brant	31.2	36.3	25.0	21.2	41.8	16.5	16.5	17.7	19.0	35.4	26.2
	6 Peel	32.0	31.1	33.3	17.0	34.3	19.6	18.3	23.3	23.1	29.0	26.2
	7 Halton	40.0	24.6	29.8	19.4	34.3	17.1	20.0	22.9	22.9	21.4	26.5
Lower Average Group:	8 Middlesex	27.9	36.8	27.6	24.6	28.8	20.9	23.2	26.7	28.0	29.0	27.6
	9 Stormont	37.2	29.1	27.9	25.6	29.4	27.1	12.7	23.3	28.9	34.1	27.8
	10 Glengarry	35.5	30.0	27.5	20.0	33.8	26.6	20.3	21.5	32.0	23.0	27.8
	11 Ontario	40.7	36.0	34.9	17.8	26.7	28.8	24.9	24.6	20.4	23.5	27.9
	12 Dundas	27.2	32.1	21.0	35.4	35.0	19.7	24.7	24.7	22.2	23.8	28.1
	13 Northumberl'd.	44.4	32.2	29.6	27.0	27.0	21.7	18.3	22.5	25.2	19.1	28.2
	14 Carleton	37.2	33.1	31.1	26.4	27.6	21.0	26.7	22.1	25.3	26.9	28.7
	15 Durham	40.0	35.0	28.0	30.0	34.0	24.4	18.0	29.0	25.0	22.7	29.6
Average Group:	16 Elgin	38.7	26.8	28.4	27.4	27.4	29.0	24.6	26.6	29.6	25.6	30.0
	17 Oxford	32.0	37.7	31.8	26.9	29.4	23.1	22.3	26.2	36.9	28.0	30.2
	18 Huron	48.5	33.7	29.2	22.7	31.1	25.2	29.2	34.8	33.4	30.5	31.1
	19 Waterloo	45.6	41.7	33.0	28.0	35.5	23.6	24.8	25.0	26.6	27.3	31.4
	20 Essex	34.4	36.8	32.7	26.3	28.8	28.4	21.3	31.9	41.2	29.3	32.4
	21 Bruce	39.3	45.8	29.8	27.4	36.5	25.4	22.9	27.8	31.8	43.3	32.9
	22 Haldimand	40.3	41.5	28.4	31.7	43.9	30.5	29.3	35.0	25.3	45.2	33.8
	23 Perth	33.6	35.3	37.8	35.8	35.0	35.0	17.5	35.0	35.3	33.6	34.1
	24 Norfolk	36.1	45.4	35.2	39.8	33.3	26.0	26.4	34.6	40.6	38.2	34.4
	25 Lambton	42.7	41.6	41.4	29.6	38.8	35.9	25.3	27.2	36.6	35.3	34.9
Higher Average Group:	26 Grenville	40.3	46.7	27.4	28.0	40.0	21.3	32.9	23.7	40.6	23.6	35.1
	27 Victoria	49.1	47.4	38.3	25.4	31.6	26.5	36.5	35.7	29.2	34.5	35.3
	28 Kent	40.6	40.6	40.6	27.4	38.8	36.3	22.9	37.2	34.0	30.6	35.6
	29 Wellington	42.3	47.4	43.5	28.6	43.5	22.7	47.7	29.9	37.4	33.8	36.2
	30 Peterborough	42.6	42.2	36.7	26.4	37.2	29.1	28.8	35.9	39.8	38.7	36.6
	31 Simcoe	45.0	44.5	43.3	32.6	36.7	30.1	29.1	28.9	37.8	40.2	36.6
	32 Leeds	43.7	41.9	31.3	38.9	35.3	43.1	27.0	20.7	37.6	37.0	37.0
	33 Grey	50.5	47.5	39.1	29.6	34.4	31.9	30.0	33.1	32.0	31.7	37.4
	34 Cochrane	51.1	42.3	43.5	33.3	34.0	30.6	31.2	31.6	32.7	28.8	37.4
	35 Prince Edward	45.2	44.6	34.7	35.2	43.3	33.8	27.1	30.7	46.0	32.9	37.7
	36 Russell	44.8	46.9	34.2	29.8	55.6	31.4	27.8	38.2	26.5	35.3	38.0
	37 Lennox	33.7	48.3	33.7	26.0	44.4	36.8	29.9	32.2	28.1	41.4	38.1
	38 Dufferin	44.1	46.3	48.4	32.2	39.2	29.0	26.1	37.8	40.2	39.8	38.4
	39 Hastings	51.0	43.7	42.7	31.3	40.8	40.1	26.8	33.7	33.8	33.8	39.0
District Group:	40 Lanark	46.8	40.6	50.0	40.8	55.5	37.3	30.9	33.1	34.9	41.1	41.3
	41 Timiskaming	52.1	59.4	45.8	33.0	40.6	30.3	33.9	33.3	34.3	32.4	41.5
	42 Renfrew	52.0	54.0	45.9	37.2	50.3	33.9	33.7	33.5	36.4	39.9	43.0
	43 Sudbury	52.7	53.0	40.9	30.6	44.6	45.1	33.1	45.9	46.4	42.5	43.2
	44 Prescott	55.2	47.7	40.7	46.5	37.9	40.7	36.9	41.1	51.8	27.3	43.5
	45 Thunder Bay	61.3	63.4	44.5	35.0	46.2	37.0	31.5	32.2	38.5	39.1	44.6
	46 Muskoka	55.5	60.1	53.6	35.2	50.0	33.0	34.5	36.7	34.9	32.7	45.0
	47 Frontenac	59.2	61.4	56.8	38.6	47.4	40.3	29.6	28.9	37.5	34.5	46.1
	48 Parry Sound	65.6	61.4	52.5	40.7	48.6	39.8	36.9	31.7	35.4	42.0	46.3
	49 Manitoulin	51.0	49.1	39.2	53.0	41.1	39.2	45.2	39.2	44.0	34.0	46.4
	50 Rainy River	73.0	52.7	50.0	49.4	37.4	41.9	51.3	33.3	35.2	45.3	47.4
	51 Algoma	65.6	47.0	58.0	41.3	49.0	49.5	35.3	39.2	52.9	46.8	48.9
	52 Addington	65.6	54.8	61.3	40.0	45.2	45.2	40.6	21.2	42.4	46.5	49.4
	53 Haliburton	73.5	68.8	46.1	42.9	65.6	35.5	38.7	46.9	37.1	61.3	51.7
	54 Kenora	64.9	52.7	50.0	60.5	35.0	50.0	51.2	34.1	53.6	51.2	51.8
	55 Nipissing	67.1	66.2	68.9	43.3	52.6	46.1	48.2	50.7	41.1	62.7	53.7
Average, All Counties		38.9	37.8	33.0	26.5	31.7	26.0	23.1	25.5	29.0	26.3	30.8
Average, All Districts		59.8	55.8	49.6	41.6	44.7	38.2	37.6	36.9	39.8	40.3	45.6
Grand Average		41.9	40.4	35.3	28.6	33.6	27.8	25.2	28.7	30.6	31.2	33.0

*Based on years 1928 to 1937 inclusive.



The School Medical Officer and the Chief Nurse of the Ottawa Public Schools
Conduct a Physical Examination

RURAL SCHOOLS

TABLE 13—FINANCIAL

Ordinary A	Assessment per Class-room B	No. of Class-rooms	A.D.A. for Calendar Year C	A.D.A. per Class-room C	Major Sources	
					Section Levy E	Township Grant
In Counties	$				$	$
1 Halton	288,003	70	1,383	20	41,030	35,550
2 Perth	258,858	119	2,751	23	44,780	62,945
3 Middlesex	222,074	204	4,079	20	90,293	107,764
4 Brant	217,163	73	1,759	23	39,406	37,160
5 Wentworth	208,579	106	2,871	27	76,394	51,526
6 Kent	199,579	154	3,929	26	74,784	79,547
7 Elgin	197,202	125	2,558	20	54,779	63,806
8 Essex	192,949	139	4,015	29	82,809	66,168
9 Oxford	192,888	131	3,147	24	65,135	66,503
10 Huron	183,122	200	3,681	18	61,927	105,012
11 Norfolk	176,398	112	3,075	27	44,327	56,162
12 Wellington	172,489	154	2,974	19	49,554	78,104
13 Waterloo	159,968	109	3,162	29	66,562	61,631
14 Welland	155,117	92	2,452	27	41,147	59,267
15 Lambton	143,472	180	3,412	19	64,145	88,701
16 Peel	138,881	97	2,143	22	69,809	47,220
17 York	137,780	202	5,970	30	159,931	97,518
18 Simcoe	136,274	242	4,734	20	77,283	119,801
19 Lincoln	134,698	95	2,523	27	71,064	43,861
20 Ontario	134,675	139	2,963	21	76,645	68,695
21 Prince Edward	130,912	73	1,223	17	16,838	39,204
22 Bruce	128,008	166	2,648	16	45,634	81,790
23 Dufferin	127,394	89	1,334	15	26,893	49,606
24 Haldimand	121,568	82	1,690	21	25,237	42,735
25 Durham	119,010	101	1,789	18	34,516	51,899
26 Victoria	116,974	110	1,589	14	36,529	52,070
27 Stormont	113,324	91	2,002	22	34,757	43,261
28 Northumberland	102,234	115	1,818	16	36,006	56,879
29 Carleton	101,537	137	1,763	13	62,803	63,238
30 Grey	97,192	223	4,110	18	60,534	14,836
31 Russell	88,758	33	636	19	7,200	14,016
32 Lennox	85,897	87	1,375	16	17,572	37,641
33 Dundas	84,727	80	1,488	19	25,966	40,674
34 Lanark	82,168	124	1,774	14	21,099	53,587
35 Peterborough	79,665	101	2,115	21	29,381	36,745
36 Glengarry	76,876	77	1,518	20	18,276	34,155
37 Renfrew	75,908	173	3,289	19	43,549	61,104
38 Prescott	75,048	55	979	18	9,921	23,545
39 Hastings	72,413	198	3,962	20	47,451	71,949
40 Grenville	72,243	72	1,077	14	14,683	34,104
41 Leeds	72,096	146	2,327	15	38,363	60,583
42 Frontenac	42,108	148	2,608	18	31,797	44,516
43 Addington	24,170	28	472	17	2,748	9,062
44 Haliburton	14,768	63	1,000	16	14,314	7,500
Totals and Averages	135,327	5,315	108,167	20	2,053,871	2,521,640
In Districts						
1 Cochrane	79,861	82	2,128	26	101,702	405
2 Timiskaming	50,531	80	1,810	23	61,944	18,748
3 Thunder Bay	49,206	123	2,546	21	98,135	5,542
4 Muskoka	49,064	103	1,775	17	39,102	23,636
5 Algoma	38,307	110	2,440	22	68,241	6,488
6 Kenora	33,586	43	997	23	33,044	925
7 Rainy River	30,957	75	1,381	18	54,151	6,007
8 Manitoulin	29,317	47	947	20	19,407	5,857
9 Sudbury	28,744	120	2,815	23	82,026	3,201
10 Parry Sound	28,189	131	2,310	18	57,408	11,190
11 Nipissing	24,800	74	1,484	30	30,777	3,559
12 Patricia(I)	15,000	2	4	2	711	....
Totals and Averages	40,467	990	20,637	21	646,648	85,558
Totals and Averages	120,432	6,305	128,804	20	2,700,519	2,607,198

STATISTICS, 1938

of Receipts			Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	County Grant	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1000 of Assessment
	$	$	$	$				$	$ c.
1	3,569	13,623	84,888	10,955	42.0	5.4	46.9	50,442	2.50
2	4,953	10,123	131,173	....	24.9	....	24.9	2,625	.09
3	6,968	37,034	225,261	7,951	28.5	1.0	29.5	61,066	1.35
4	2,540	13,961	85,720	4,532	25.3	1.3	26.6	10,590	.67
5	3,275	23,013	137,334	21,619	24.7	3.9	28.6	117,142	5.30
6	7,556	32,411	188,040	5,996	24.6	.8	25.4	30,289	.99
7	4,291	20,520	131,532	7,588	26.5	1.5	28.0	40,538	1.64
8	6,332	31,428	171,476	5,942	22.1	.8	22.9	138,851	5.18
9	5,844	29,924	142,774	7,398	23.5	1.2	24.7	534,946	21.17
10	9,117	35,161	202,055	3,821	28.3	.5	28.8	17,562	.48
11	3,940	22,490	123,327	845	20.8	.1	20.9	18,000	.91
12	6,260	31,441	166,318	556	22.3	.1	22.4	2,733	.10
13	4,956	26,165	129,891	7,285	21.5	1.2	22.7	47,717	2.74
14	3,334	29,454	122,513	33,657	25.7	6.8	32.5	114,124	7.82
15	3,868	29,040	208,882	4,760	31.6	.7	32.3	35,090	1.36
16	3,929	25,993	122,563	19,239	29.4	4.6	34.0	138,315	10.27
17	4,990	55,042	274,762	36,311	26.7	3.5	30.2	344,722	12.39
18	8,507	76,046	258,114	8,378	28.2	.9	29.1	46,607	1.41
19	5,445	29,636	131,513	8,102	26.6	1.6	28.2	27,363	2.14
20	4,055	29,096	149,126	20,543	25.9	3.6	29.5	170,348	9.03
21	2,380	12,593	69,582	1,472	29.3	.6	29.9	7,438	.78
22	6,134	37,462	162,310	969	31.7	.1	31.8	5,409	.25
23	3,988	18,291	88,698	2,485	34.5	.9	35.4	6,811	.60
24	2,502	16,217	85,466	1,055	26.9	.3	27.2	....	....
25	3,570	26,332	108,638	1,840	31.5	.5	32.0	9,639	.80
26	2,558	23,339	103,828	4,452	33.6	1.4	36.0	40,893	3.18
27	2,369	17,801	85,467	8,462	22.2	2.2	24.4	47,245	4.58
28	4,655	29,861	118,086	2,435	33.8	.7	34.5	29,233	2.49
29	3,981	32,795	146,762	13,834	27.1	2.5	29.6	214,419	15.41
30	7,896	46,431	217,182	3,581	27.3	.4	27.7	18,389	.85
31	1,638	9,022	33,912	286	26.7	.2	26.9	4,143	1.51
32	1,051	15,365	74,281	....	27.9	....	27.9	....	....
33	2,376	18,183	81,460	3,618	28.2	1.2	29.4	19,339	2.85
34	1,980	27,116	104,305	1,097	31.3	.3	31.6	13,143	1.29
35	2,577	35,052	96,547	1,086	26.6	.3	26.9	36,959	4.59
36	2,231	19,114	72,027	1,490	24.6	.5	25.1	5,080	.86
37	4,691	47,912	147,210	7,214	23.4	1.1	24.5	20,480	1.56
38	1,308	11,599	46,748	1,085	24.8	.6	25.4	6,175	1.50
39	5,797	65,383	186,061	5,247	24.2	.7	24.9	23,100	1.61
40	1,216	16,315	67,038	715	32.2	.3	32.5	2,145	.41
41	2,917	35,860	129,667	6,922	28.6	1.5	30.1	43,880	4.17
42	3,048	58,672	135,569	2,131	26.8	.4	27.2	21,633	3.47
43	431	18,318	29,238	1,062	32.5	1.2	33.7	11,280	16.66
44	....	37,525	54,405	1,046	28.8	.6	29.4	4,489	4.82
	175,023	1,278,159	5,631,749	289,062	26.8	1.4	28.2	2,543,392	3.54
1	....	35,110	115,250	21,489	26.8	5.0	31.8	142,536	21.76
2	....	49,269	113,948	5,535	33.1	1.6	34.7	22,804	5.65
3	....	84,307	165,309	9,916	33.7	2.0	35.7	64,466	10.65
4	....	61,498	114,219	6,850	33.7	2.0	35.7	48,727	9.64
5	....	60,607	123,892	4,170	26.6	.9	27.5	52,688	12.50
6	....	34,846	65,875	3,274	34.6	1.7	36.3	38,007	26.32
7	....	56,186	93,060	14,730	35.2	5.6	40.8	108,412	46.69
8	....	29,204	52,560	3,184	28.6	1.7	30.3	35,149	25.51
9	....	80,115	141,541	13,009	26.8	2.5	29.3	159,378	46.21
10	....	82,194	140,101	3,763	31.1	.8	31.9	21,248	5.75
11	....	44,169	71,584	3,132	22.9	1.0	23.9	29,718	16.20
12	....	....	815	....	473.8 I	....	473.8	....	....
	R	617,505	1,198,154	89,052	30.0	2.2	32.2	723,133	18.06
	175,023	1,895,664	6,829,903	378,114	27.3	1.5	28.8	3,266,525	4.30

TABLE 13—FINANCIAL

RURAL SCHOOLS

Large Suburban and Semi-Urban	Township	School Section No.	Adjacent to	Assessment per Classroom B	No. of Classrooms	A.D.A. for Calendar Year c	A.D.A. per Classroom c
In Counties				$			
1 Brant	Brantford	3	Brantford	102,415	7	253	36
2 Carleton	Nepean	2	Ottawa	103,817	26	930	36
3 Essex	Sandwich East	5	Windsor	57,228	13	533	41
4 Lincoln	Grantham	U5, 6	St. Catharines	76,520	8	261	33
5 Ontario	Whitby East	10	Oshawa	51,375	10	398	40
6 Peel	Toronto	7	Lakefield	66,812	13	458	35
7 Peterboro	Monaghan North	2	Peterboro	62,222	10	345	35
8 Welland	Stamford	4	Niagara Falls	116,050	8	262	33
9	Stamford	6	Niagara Falls	73,798	12	447	37
10	Stamford	7	Niagara Falls	526,287	9	264	29
11	Bertie	11	Ridgeway	178,622	10	257	26
12	Crowland	3	Welland	106,922	19	622	33
13	Thorold	2	Thorold	239,802	10	272	27
14 Wentworth	Burlington Beach		Hamilton	311,049	6	227	38
15 York	Etobicoke	3	Lambton Mills	215,126	12	385	32
16	Etobicoke	5	Weston	113,023	7	267	38
17	Etobicoke	8	Islington	143,297	10	309	31
18	Etobicoke	11	Humber Bay	88,281	14	438	31
19	Etobicoke	16	Long Branch	50,948	14	453	32
20	York	Twp.	Toronto	71,838	317	11,201	35
21	York East	Twp.	Toronto	97,641	149	5,413	36
22	York North	3	Toronto	154,535	37	1,313	35
23	Scarboro	10	Toronto	56,272	25	804	32
24	Scarboro	12	Toronto	49,380	22	728	33
25	Scarboro	13	Toronto	164,525	11	199	18
26	Scarboro	15	Toronto	91,327	16	554	35
Totals and	Averages, Counties			96,814	795	27,593	35
In Districts			Centre				
1 Cochrane	Tisdale	1	South Porcupine	81,654	22	645	29
2	Tisdale	2	Schumacher	106,625	20	652	33
3 Parry Sound	Himsworth North	U4	Callander	21,842	8	212	26
4 Sudbury	Chapleau	1	Chapleau	102,936	7	158	23
5	Snider and Creighton	U1	Creighton Mine	127,623	8	281	35
6	Garson	3	Garson Mine	18,794	7	214	31
7 Timiskaming	Teck	Twp.	Kirkland Lake	81,975	67	2,024	30
8 Thunder Bay	Schreiber	1	Schreiber	79,712	6	167	28
Totals and	Averages, Districts			82,395	145	4,353	30
Totals and Averages, All Large Suburban and Semi-Urban Schools				94,590	940	31,946	34

STATISTICS, 1938

	Major Sources of Receipts				Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	Section Levy E	Township Grant	County Grant	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessment
	$	$	$	$	$	$				$	$ c
1	7,171	2,700	245	2,946	10,081	2,472	20.7	5.1	25.8	8,765	12.23
2	25,364	10,260	1,148	14,864	50,265	2,929	27.8	1.6	29.4	26,359	9.76
3	9,098	6,000	423	6,723	21,120	D	20.6	....	....	170,407	157.85
4	8,856	3,240	516	4,797	12,793	4,096	25.6	8.2	33.8	13,219	21.59
5	11,579	3,780	55	4,436	11,795	7,359	15.1	9.4	24.5	68.949	134.20
6	21,388	4,480	1,046	7,113	22,390	10,784	25.1	12.1	37.2	106,541	122.67
7	7,278	3,960	241	4,471	14,367	2,487	21.5	3.7	25.2	17,110	27.50
8	6,079	8,000	760	4,285	15,039	1,927	29.5	3.8	33.3	26,960	29.04
9	9,304	12,000	597	7,879	23,680	6,777	27.3	7.8	35.1	60,898	68.76
10	8,000	8,000	800	3,974	20,181	....	39.4	....	39.4	....	....
11	17,755	4,200	64	2,282	14,574	10,894	29.2	21.8	51.0	91,900	51.45
12	22,325	8,200	119	6,851	26,638	8,525	22.1	7.1	29.2	56,788	27.95
13	15,975	8,600	345	2,982	20,254	7,075	38.3	13.4	51.7	64,524	26.91
14	7,211	....	....	5,277	11,162	....	25.4	....	25.4	....	....
15	30,618	4,500	512	4,211	27,188	13,600	36.3	18.1	54.4	17,515	9.89
16	12,485	2,700	225	4,400	12,129	6,210	23.6	12.1	35.7	16,870	27.25
17	21,016	3,420	294	4,274	18,428	10,674	34.9	20.3	55.2	52,412	48.44
18	26,657	5,400	807	9,260	29,215	12,638	34.3	14.8	49.1	64,882	61.46
19	21,821	5,400	348	8,473	24,257	11,880	27.5	13.5	41.0	121,322	170.09
20	488,202	....	12,415	252,814	632,720	65,622	29.3	3.0	32.3	2,181,689	97.08
21	224,765	....	7,484	98,947	285,828	37,717	27.1	3.6	30.7	1,223,897	87.52
22	61,721	14,220	1,421	16,297	63,689	27,941	24.8	10.8	35.6	211,608	45.66
23	15,213	8,820	758	13,317	33,921	D	21.9	....	....	174,038	123.71
24	11,885	8,460	398	12,682	33,512	D	27.1	....	....	117,557	108.21
25	11,587	4,140	248	3,457	20,567	D	26.5	....	....	82,239	45.44
26	12,681	112	6,294	7,417	27,015	D	31.1	....	....	99,778	68.28
	1,116,034	140,592	37,563	514,429	1,482,808	251,607	27.8	5.2 E	33.0	5,079,227	65.99
1	30,898	1,950	....	13,589	45,132	3,543	35.9	2.8	38.7	98,143	54.63
2	36,000	....	....	8,292	42,970	....	32.9	....	32.9	....	....
3	6,399	765	....	9,338	12,239	1,475	29.8	3.6	33.4	11,678	66.83
4	14,949	....	....	3,976	12,760	5,449	41.1	17.5	58.6	76,281	105.86
5	11,250	....	....	3,584	14,673	....	26.9	....	26.9	....	....
6	5,518	650	....	6,566	9,382	....	22.5	....	22.5	....	....
7	113,245	....	....	35,859	117,171	28,186	29.8	7.1	36.9	185,922	33.85
8	7,748	....	....	3,101	9,569	....	29.5	....	29.6	....	....
	226,007	3,365	R	84,305	263,896	38,653	31.1	4.5	35.6	372,024	31.14
	1,342,041	143,957	37,563	598,734	1,746,704	290,260	28.2	5.1 E	33.3	5,451,251	61.31

TABLE 13—FINANCIAL

URBAN SCHOOLS

Cities	County	Assessed Population j	No. of Classrooms	Local Assessment per Classroom	A.D.A. for the Calendar year c	A.D.A. per Classroom c
GROUP A				$		
1 Toronto	York	647,803	1,871	492,184	72,664	39
GROUP B						
2 Hamilton	Wentworth	154,751	515	294,949	18,539	36
3 Ottawa	Carleton	144,202	255	494,054	8,745	34
4 Windsor	Essex	103,813	304	258,530	10,771	35
5 London	Middlesex	73,846	231	330,130	8,087	35
Totals and Averages,	Group B	476,612	1,305	331,344	46,142	35
GROUP C						
6 Kitchener	Waterloo	33,080	102	211,739	3,859	38
7 Brantford	Brant	31,369	103	248,387	3,530	34
8 St. Catharines	Lincoln	27,647	90	245,011	3,176	35
9 Oshawa	Ontario	24,756	87	287,755	3,487	40
10 Peterborough	Peterborough	23,984	75	294,297	2,566	34
11 Kingston	Frontenac	23,355	67	248,015	2,555	38
12 Guelph	Wellington	21,514	62	194,291	2,282	37
Totals and Averages,	Group C	185,705	586	247,451	23,255	39
GROUP D						
13 Sudbury	Sudbury	26,463	52	225,650	1,827	35
14 Fort William	Thunder Bay	24,301	90	273,227	3,010	33
15 Sault Ste. Marie	Algoma	23,853	79	241,112	2,832	36
16 Port Arthur	Thunder Bay	20,872	71	337,991	2,388	34
17 North Bay	Nipissing	15,358	44	165,282	1,342	30
Totals and Averages,	Group D	110,847	336	257,863	11,399	34
GROUP E						
18 Niagara Falls	Welland	18,928	64	256,888	2,313	36
19 Sarnia	Lambton	18,269	68	252,703	2,233	33
20 Stratford	Perth	17,159	61	203,297	1,987	33
21 Chatham	Kent	16,517	53	242,106	1,801	34
22 St. Thomas	Elgin	16,352	55	258,808	1,722	31
23 Belleville	Hastings	14,589	48	194,381	1,619	34
24 Galt	Waterloo	14,219	46	236,120	1,637	36
25 Owen Sound	Grey	13,411	56	135,059	1,912	34
26 Woodstock	Oxford	11,418	38	189,430	1,313	35
27 Welland	Welland	11,072	54	182,774	1,779	33
Totals and Averages,	Group E	151,934	543	217,154	18,316	34
Totals and Averages,	All Cities	1,572,901	4,641	366,983	171,776	37

GROUP A—Cities with population over 200,000.
GROUP B— " " " " 50,000 and under 200,000.
GROUP C— " " " " 20,000 and under 50,000.
GROUP D— " in Districts.
GROUP E— " with population under 20,000.

STATISTICS, 1938

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	School District Levy E	Legislative Grants	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Local Assessm't
	$	$	$	$				$	$ c.
1	6,998,225	165,631	6,013,491	1,118,748	42.2	7.9	50.1	9,836,543	10.68
2	1,257,520	37,142	1,039,830	252,115	28.7	7.0	35.7	1,078,246	7.10
3	947,400	26,658	839,892	256,510	49.5	9.4	58.9	1,229,011	9.76
4	797,640	27,032	717,918	140,497	34.2	6.7	40.9	4,139,043	52.66
5	692,701	23,083	574,126	133,998	36.9	8.6	45.5	660,644	8.66
	3,695,261	113,915	3,171,766	783,120	35.3	8.7	44.0	7,106,944	16.43
6	252,689	24,077	213,261	57,143	28.4	7.6	36.0	545,663	25.27
7	220,827	19,664	209,997	30,827	30.7	4.5	35.2	256,600	10.03
8	220,342	14,151	195,020	37,064 A	31.7	6.0	37.7	222,742	10.10
9	191,541	16,622	150,696	53,550	22.3	7.9	30.2	321,464	12.84
10	193,010	11,970	176,839	32,610	36.8	6.8	43.6	442,150	20.03
11	159,888	7,946	139,913	30,588	28.2	6.2	34.4	337,150	20.29
12	105,062	8,518	103,348	10,454	23.2	2.3	25.5	107,963	8.96
	1,343,359	102,948	1,189,074	252,236	28.7	6.0	34.7	2,233,732	15.40
13	103,067	4,520	87,401	21,467	24.6	6.0	30.6	129,231	11.01
14	240,783	11,963	196,119	57,184	33.6	9.8	43.4	813,000	33.97
15	194,548	10,145	152,821	50,221	27.8	9.1	36.9	647,130	33.06
16	200,521	7,431	152,034	51,176	34.0	1.1	35.1	234,211	9.76
17	97,541	7,716	83,864	22,088	31.6	8.3	39.9	104,048	14.30
	836,460	41,775	672,239	202,136	30.5	9.1	39.6	1,927,620	22.25
18	134,090	7,209	120,215	42,200	26.8	9.4	36.2	178,188	10.84
19	147,878	9,673	141,757	20,756	32.7	4.8	37.5	131,706	7.66
20	131,452	8,405	110,365	29,775	28.7	7.7	36.4	138,682	11.18
21	102,540	8,526	112,305	....	32.1	....	32.1	....	....
22	101,179	5,099	93,916	10,369	28.1	3.1	31.2	12,544	.88
23	105,291	5,479	79,856	31,265	25.4	10.1	35.5	405,724	43.48
24	82,517	5,118	80,848	6,017	25.5	1.9	27.4	16,082	1.48
25	94,989	9,639	93,523	7,814	25.2	2.1	27.3	82,186	10.87
26	76,812	4,207	69,578	16,330	27.3	6.4	33.7	107,217	14.89
27	117,742	7,344	101,941	22,142	29.6	6.4	36.0	275,941 B	27.95
	1,094,400	70,699	1,004,304	186,668	28.3	5.3	33.6	1,348,270	11.42
	13,967,705	494,968	12,050,874	2,729,576	36.4	8.2	44.6	22,453,109	13.18

TABLE 13—FINANCIAL

Towns	County	Assessed Population J	No. of Class-rooms	Assess-ment per Class-room B	A.D.A. for the Calendar year C	A.D.A. per Class-room C
GROUP A				$		
1 Cornwall	Stormont	13,347	22	355,094	853	39
2 Pembroke	Renfrew	10,412	26	143,884	874	34
3 Brockville	Leeds	9,995	33	184,820	1,042	32
4 Orillia	Simcoe	8,921	31	176,085	1,112	36
5 Waterloo	Waterloo	8,524	31	199,506	997	32
6 Barrie	Simcoe	8,310	31	171,312	1,045	34
7 Smith's Falls	Lanark	7,672	25	163,513	881	35
8 Eastview	Carleton	7,256	7	60,194	196	28
9 New Toronto	York	7,140	30	152,110	1,138	38
10 Lindsay	Victoria	7,138	27	145,812	853	32
11 Mimico	York	7,012	28	121,276	982	35
12 Trenton	Hastings	6,833	23	132,354	889	39
13 Midland	Simcoe	6,669	22	211,936	733	33
14 Port Colborne	Welland	6,503	32	149,818	1,337	42
15 Preston	Waterloo	6,422	18	249,500	624	35
16 Hawkesbury	Prescott	6,053	4	173,592	109	27
17 Simcoe	Norfolk	6,052	20	247,805	798	40
Totals and Averages,	Group A	134,261	410	179,643	15,363	37
GROUP B						
18 Fort Erie	Welland	5,810	33	132,719	886	27
19 Brampton	Peel	5,695	20	171,929	684	34
20 Leamington	Essex	5,630	20	176,094	709	35
21 Renfrew	Renfrew	5,366	11	210,957	376	34
22 Collingwood	Simcoe	5,322	21	118,871	743	35
23 Cobourg	Northumberland	5,307	18	168,211	607	34
24 Ingersoll	Oxford	5,177	19	151,219	665	35
25 Weston	York	5,099	20	141,572	637	32
26 Riverside	Essex	5,090	16	91,898	526	33
27 Thorold	Welland	5,001	15	112,079	480	32
28 Dundas	Wentworth	4,839	15	199,049	576	38
29 Port Hope	Durham	4,724	16	152,888	631	39
30 Wallaceburg	Kent	4,715	16	103,432	358	22
31 Goderich	Huron	4,407	15	120,164	516	34
32 Paris	Brant	4,369	16	184,372	464	29
33 Carleton Place	Lanark	4,278	16	91,344	589	37
34 Perth	Lanark	4,174	12	126,864	416	35
35 Penetanguishene	Simcoe	4,094	23	54,756	826	36
36 Arnprior	Renfrew	4,059	10	167,661	377	38
37 St. Mary's	Perth	4,033	13	187,253	375	29
Totals and Averages,	Group B	97,289	334	144,414	11,441	34
GROUP C						
38 Tillsonburg	Oxford	3,945	13	147,338	531	41
39 Dunnville	Haldimand	3,928	12	83,333	472	36
40 Oakville	Halton	3,864	14	249,118	452	32
41 Bowmanville	Durham	3,850	14	171,993	500	36
42 Burlington	Halton	3,738	14	216,274	451	32
43 Whitby	Ontario	3,724	12	175,910	432	36
44 Gananoque	Leeds	3,549	10	186,452	389	39
45 Newmarket	York	3,495	15	123,773	495	33
46 Picton	Prince Edward	3,439	12	242,375	415	35
47 Leaside	York	3,309	13	287,934	412	32
48 Hanover	Grey	3,215	13	85,783	448	34
49 Napanee	Lennox	3,148	12	94,833	409	34
50 Prescott	Grenville	2,925	9	135,279	288	32
51 Strathroy	Middlesex	2,917	11	153,393	374	34
52 Campbellford	Northumberland	2,876	11	118,441	381	35
53 Amherstburg	Essex	2,857	7	201,098	194	28
54 Meaford	Grey	2,811	10	89,250	305	31
55 Hespeler	Waterloo	2,789	14	137,773	428	31
56 Listowel	Perth	2,773	9	173,226	313	35
57 Aurora	York	2,770	10	132,920	378	38
58 Petrolia	Lambton	2,747	10	101,400	351	35
59 Orangeville	Dufferin	2,660	9	138,285	307	34
60 Merritton	Lincoln	2,656	9	181,255	299	33
61 Kincardine	Bruce	2,464	9	86,108	315	35
62 Walkerton	Bruce	2,463	6	106,139	188	31
63 Kingsville	Essex	2,359	11	198,872	367	33
64 Georgetown	Halton	2,345	8	201,736	274	34
65 Almonte	Lanark	2,259	7	130,195	239	34

STATISTICS, 1938

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	School District Levy B	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessm't
	$	$	$	$				$	$ c.
1	46,857	1,726	39,874	10,766	24.1	6.5	30.6	122,258	15.64
2	49,921	3,998	41,924	10,517	24.5	6.2	30.7	173,794	46.46
3	53,000	3,851	56,888	....	28.0	....	28.0	....	....
4	50,530	3,079	48,420	4,979	22.0	2.3	24.3	33,747	6.19
5	71,695	5,627	57,974	18,974	30.0	9.8	39.8	219,836	35.55
6	50,986	3,351	48,829	5,298	24.2	2.6	26.8	42,874	8.08
7	34,938	3,679	41,219	2,438	24.1	1.4	25.5	15,038	3.68
8	9,683	1,736	11,312	1,651	29.8	4.4	34.2	10,460	24.82
9	81,630	5,541	63,123	24,097	28.4	10.8	39.2	121,492	26.62
10	41,620	2,431	39,079	5,678	24.0	3.5	27.5	7,869	.20
11	86,289	5,652	55,871	36,149	29.0	18.8	47.8	192,576	56.71
12	35,616	3,927	36,243	7,283	21.0	4.2	25.2	161,287	52.98
13	30,671	2,421	34,225	D	24.0	....	....	73,592	15.78
14	73,483	5,873	56,471	22,598	21.8	8.7	30.5	103,427	21.57
15	33,706	1,439	30,551	3,180	25.2	2.6	27.8	3,014	.67
16	4,394	386	8,206	....	38.6	....	38.6	....	....
17	35,262	1,459	26,508	10,118	17.1	6.5	23.6	100,376	20.19
	789,081	56,176	696,717	163,726	24.8	6.1	30.9	1,381,640	18.76
18	54,863	3,921	57,896	D	33.7	....	....	229,049	52.29
19	34,857	2,347	34,202	3,281	26.1	2.5	28.6	53,367	15.52
20	27,745	2,353	28,669	D	20.8	....	....	79,232	22.50
21	20,142	1,275	19,776	2,342	27.2	3.2	30.4	4,354	1.87
22	23,859	2,824	28,034	....	19.6	....	19.6	....	....
23	31,688	2,398	27,827	6,010	23.8	5.1	28.9	15,405	5.09
24	41,149	2,663	28,422	15,799	22.0	12.2	34.2	19,431	6.76
25	40,212	2,014	32,993	8,487	26.6	6.8	33.4	74,139	26.18
26	20,949	3,408	26,731	D	26.6	....	....	182,247	123.95
27	21,416	2,580	23,946	D	26.0	....	....	118,472	70.48
28	28,061	1,703	21,496	8,461	19.2	7.6	26.8	23,783	7.97
29	25,439	1,910	21,460	3,539	17.8	2.9	20.7	28,698	11.73
30	23,495	2,902	24,426	5,140	35.0	7.3	42.3	49,486	29.90
31	22,535	2,510	22,802	1,535	22.7	1.5	24.2	2,684	1.49
32	21,250	1,737	24,713	....	27.5	....	27.5	....	....
33	20,499	3,333	21,500	899	18.9	.8	19.7	6,598	4.51
34	19,589	1,946	19,094	1,750	24.1	2.2	26.3	1,600	1.05
35	21,914	6,993	24,931	D	15.7	....	....	10,318	8.19
36	22,808	1,460	14,773	4,036	20.2	5.5	25.7	37,426	22.32
37	23,341	1,049	18,958	5,341	26.1	7.3	33.4	34,357	14.12
	545,811	51,326	522,649	66,620	18.6	3.1	21.7	970,646	20.12
38	19,320	1,912	18,639	2,463	18.1	2.4	20.5	6,489	3.39
39	17,879	2,858	17,069	3,279	18.6	3.5	22.1	28,017	28.02
40	30,619	1,097	21,994	10,517	25.1	12.0	37.1	30,707	8.80
41	18,778	1,381	19,442	1,442	20.0	1.5	21.5	17,063	7.09
42	26,767	1,214	23,659	4,467	26.9	5.1	32.0	58,888	19.45
43	21,838	1,328	17,094	7,088	20.2	8.4	28.6	49,601	23.50
44	15,258	1,033	15,256	1,258	20.2	1.7	21.9	54,205	29.07
45	23,034	2,657	22,033	3,034	23.0	3.2	26.2	44,444	23.94
46	19,768	1,837	18,954	3,368	23.4	2.4	25.8	18,164	6.25
47	41,687	807	31,898	12,087	39.4	15.1	54.5	127,559	34.08
48	16,035	2,748	16,962	1,635	19.5	1.9	21.4	5,664	5.08
49	14,250	1,852	15,602	....	19.7	....	19.7	....	....
50	12,215	1,231	11,522	2,657	20.6	4.7	25.3	6,603	5.42
51	13,300	1,328	14,687	....	20.2	....	20.2	....	....
52	12,523	1,467	14,050	....	18.9	....	18.9	....	....
53	14,077	718	12,447	1,301	33.2	3.5	36.7	2,419	1.72
54	12,824	1,711	13,451	324	22.7	.5	23.2	308	.35
55	21,573	2,247	19,864	6,277	24.0	7.6	31.6	12,753	6.61
56	13,290	1,044	12,645	1,090	20.7	1.8	22.5	10,897	6.99
57	14,000	1,699	16,436	....	22.3	....	22.3	....	....
58	15,164	1,936	15,971	....	24.5	....	24.5	....	....
59	11,952	1,233	13,024	....	21.9	....	21.9	....	....
60	19,604	1,137	16,551	3,853	28.5	6.6	35.1	26,629	16.32
61	10,260	1,628	10,859	288	17.7	.5	18.2	....	....
62	8,162	1,195	9,713	....	26.7	....	26.7	....	....
63	12,574	898	12,448	D	17.5	....	....	54,209	24.79
64	12,508	719	12,412	808	25.0	1.6	26.6	6,485	4.01
65	7,750	1,068	9,425	....	20.3	......	20.3	....	....

TABLE 13—FINANCIAL

Towns	County	Assessed Population J	No. of Class-rooms	Assess-ment per Class-room B	A.D.A. for the Calendar year C	A.D.A. per Class-room C
GROUP C—(*Cont.*)				$		
66 Tecumseh	Essex	2,237	1	332,162	61	61
67 Aylmer	Elgin	2,156	10	182,233	362	36
68 Wingham	Huron	2,123	8	111,356	230	29
69 Elmira	Waterloo	2,074	8	197,882	323	40
70 Rockland	Russell	2,042	1	86,143	20	20
Totals and Averages,	Group C	96,507	332	158,524	11,403	34
GROUP D						
71 Grimsby	Lincoln	1,981	9	154,048	277	31
72 Tilbury	Kent	1,980	4	111,813	120	30
73 Alexandria	Glengarry	1,971	2	86,119	40	20
74 Ridgetown	Kent	1,958	8	106,738	245	31
75 Clinton	Huron	1,888	7	109,924	200	29
76 Durham	Grey	1,864	8	63,481	246	31
77 Essex	Essex	1,854	8	130,807	257	32
78 Milton	Halton	1,848	8	243,493	267	33
79 Mount Forest	Wellington	1,840	5	166,680	176	35
80 Blenheim	Kent	1,758	6	164,665	282	47
81 Chesley	Bruce	1,743	6	123,461	230	38
82 Wiarton	Bruce	1,723	8	71,946	273	34
83 Seaforth	Huron	1,705	7	108,727	165	23
84 Niagara	Lincoln	1,670	5	158,346	168	34
85 Mitchell	Perth	1,615	6	157,122	220	37
86 Dresden	Kent	1,572	6	94,433	209	35
87 Forest	Lambton	1,520	5	114,120	170	34
88 Uxbridge	Ontario	1,509	7	92,807	209	30
89 Vankleek Hill	Prescott	1,472	3	83,842	66	22
90 Southampton	Bruce	1,441	6	84,786	201	33
91 Palmerston	Wellington	1,406	6	136,875	195	32
92 Alliston	Simcoe	1,405	7	129,756	209	30
93 Deseronto	Hastings	1,300	6	62,500	168	24
94 Harriston	Wellington	1,269	5	177,356	199	40
95 Stayner	Simcoe	1,043	4	210,250	115	29
96 Harrow	Essex	1,032	6	136,650	183	30
97 Parkhill	Middlesex	900	3	155,727	110	37
98 La Salle	Essex	882	1	390,372	36	36
99 Thornbury	Grey	815	3	93,125	96	32
100 Bothwell	Kent	694	2	104,550	82	41
Totals and Averages,	Group D	45,658	167	132,916	5,414	32
GROUP A	District					
101 Timmins	Cochrane	25,119	57	115,583	2,104	37
GROUP B						
102 Kenora	Kenora	8,400	27	172,373	976	36
103 Fort Frances	Rainy River	5,818	25	137,653	875	35
104 Sturgeon Falls	Nipissing	4,429	6	204,956	176	28
105 Copper Cliff	Sudbury	3,855	15	333,431	525	35
106 Cochrane	Cochrane	3,596	11	118,402	338	31
107 Parry Sound	Parry Sound	3,546	15	108,481	556	37
108 Kapuskasing	Cochrane	3,522	14	212,653	383	27
109 New Liskeard	Timiskaming	2,985	12	137,515	410	34
110 Cobalt	Timiskaming	2,872	13	62,384	281	22
111 Huntsville	Muskoka	2,770	12	98,829	453	38
112 Haileybury	Timiskaming	2,581	8	134,275	232	29
113 Bracebridge	Muskoka	2,575	10	105,634	382	38
114 Blind River	Algoma	2,494	6	54,043	204	34
115 Gravenhurst	Muskoka	2,135	11	79,998	365	33
116 Mattawa	Nipissing	2,122	1	110,000	34	34
117 Coniston	Sudbury	2,118	4	93,877	96	24
Totals and Averages,	Group B	55,818	190	145,794	6,286	33
GROUP C						
118 Sioux Lookout	Kenora	1,901	9	81,474	306	34
119 Geraldton	Thunder Bay	1,719	6	861,168	170	28
120 Thessalon	Algoma	1,714	8	75,152	285	36
121 Capreol	Sudbury	1,680	10	82,339	349	35
122 Dryden	Kenora	1,556	8	190,044	344	43
123 Keewatin	Kenora	1,460	7	197,179	218	31
124 Iroquois Falls	Cochrane	1,391	6	314,601	203	34
125 Rainy River	Rainy River	1,326	5	93,316	153	31
126 Englehart	Timiskaming	1,259	8	56,111	281	35
127 Little Current	Manitoulin	1,049	4	63,437	118	30
Totals and Averages,	Group C	15,055	71	126,429	2,427	34

STATISTICS, 1938

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	School District Levy E	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessment B
	$	$	$	$				$	$ c.
66	2,869	320	3,823	D	31.5	....	....	27,424	82.56
67	12,715	1,747	13,589	1,204	19.4	1.7	21.1	9,629	5.28
68	9,508	1,951	11,010	....	24.6	....	24.6	....	....
69	10,200	765	12,578	....	19.4	....	19.4	....	....
70	843	122	1,079	....	28.3	....	28.3	....	....
	513,144	46,888	496,186	68,440	22.5	3.2	25.7	598,157	11.37
71	10,727	2,249	14,455	....	26.9	....	26.9	....	....
72	4,140	951	6,453	....	27.8	....	27.8	....	....
73	2,280	364	2,680	....	35.0	....	35.0	....	....
74	9,919	2,180	11,714	....	24.5	....	24.5	....	....
75	9,466	1,490	8,957	1,966	23.0	5.0	28.0	21,000	27.29
76	6,085	2,209	7,873	....	16.5	....	16.5	....	....
77	9,362	1,320	10,674	D	21.6	....	....	11,773	11.25
78	10,384	875	10,618	725	21.6	1.5	23.1	4,971	2.55
79	5,650	712	6,818	....	19.9	....	19.9	....	....
80	8,829	1,662	10,874	414	19.7	.8	20.5	2,677	2.54
81	7,191	1,491	7,968	449	17.1	1.0	18.1	1,247	1.68
82	8,710	2,752	10,541	710	19.9	1.3	21.2	2,941	5.11
83	7,880	1,585	12,519	299	39.0	.9	39.9	3,500	4.60
84	7,376	953	7,335	616	23.6	2.0	25.6	583	.74
85	9,564	902	8,053	2,064	16.1	4.1	20.2	10,311	1.10
86	6,172	1,280	6,942	585	17.0	1.4	18.4	5,122	9.04
87	5,491	1,011	7,373	241	32.0	1.0	33.0	1,043	1.83
88	6,000	1,438	7,599	674	18.7	1.7	20.4	2,021	3.11
89	2,000	822	3,948	....	30.7	....	30.7	....	....
90	6,815	1,672	8,726	339	22.4	.9	23.3	1,515	2.98
91	5,943	929	6,838	....	18.1	....	18.1	....	....
92	7,100	1,148	9,760	500	24.0	1.2	25.2	7,000	7.71
93	5,980	1,517	6,245	780	18.7	2.3	21.0	2,400	6.40
94	6,697	858	6,760	583	17.5	1.5	19.0	2,789	3.15
95	5,305	354	4,185	2,305	18.6	1.0	19.6	22,104	26.28
96	7,800	779	6,414	....	18.4	....	18.4	....	....
97	3,300	503	3,917	....	18.3	....	18.3	....	....
98	2,750	111	2,716	D	39.5	....	....	70,250	182.26
99	2,440	594	3,382	....	18.4	....	18.4	....	....
100	2,450	584	2,723	....	17.0	....	17.0	....	....
	193,806	35,295	225,060	13,250	21.5	1.3	22.8	173,247	78.05
101	131,202	13,132	117,657	36,702	28.8	9.1	37.9	272,999	66.88
102	66,007	2,532	39,658	14,981	21.0	7.9	28.9	84,135	18.08
103	54,565	4,727	46,497	16,810	27.5	9.9	37.4	85,855	24.95
104	9,669	464	10,174	....	29.9	....	29.9	....	....
105	27,006	1,247	29,104	....	28.2	....	28.2	....	....
106	20,963	2,220	21,644	1,765	32.9	2.7	35.6	34,684	26.63
107	22,173	2,625	23,570	3,154	21.8	2.9	24.7	27,431	16.86
108	29,441	4,880	26,094	8,601	35.1	11.6	46.7	99,833	33.53
109	23,373	1,836	19,209	5,250	24.1	6.6	30.7	20,609	12.49
110	10,196	4,154	12,566	2,906	23.1	5.4	28.5	41,915	51.68
111	13,639	1,966	15,292	....	17.5	....	17.5	....	....
112	12,925	1,118	13,083	1,431	29.1	3.2	32.3	1,431	1.33
113	12,559	1,764	13,622	389	18.4	.5	18.9	2,248	2.13
114	6,248	1,300	7,028	....	17.6	....	17.6	....	....
115	15,272	3,288	15,564	5,272	22.6	7.6	30.2	22,512	25.58
116	825	110	1,125	....	16.8	....	16.8	....	....
117	8,117	1,027	7,124	....	38.4	....	38.4	....	....
	332,978	35,258	301,364	60,559	24.8	5.0	29.8	420,653	15.19
118	15,578	3,564	15,986	2,539	26.6	4.2	30.8	40,744	55.56
119	9,251	1,371	10,532	1,733	32.0	5.3	37.3	23,807	27.65
120	8,678	1,969	8,611	1,328	15.6	2.4	18.0	945	1.57
121	15,580	3,744	14,400	4,780	21.4	7.1	28.5	10,359	12.58
122	20,873	1,377	14,567	4,286	21.8	6.4	28.2	40,113	26.39
123	16,568	823	9,102	4,184	21.5	9.9	31.4	18,473	13.38
124	14,212	983	13,427	3,212	34.0	8.1	42.1	62,070	32.88
125	7,111	1,849	9,357	....	31.7	....	31.7	....	....
126	11,136	4,154	12,566	2,906	23.6	5.4	29.0	41,915	93.38
127	3,500	1,350	4,727	....	20.5	....	20.5	....	....
	122,487	21,184	113,275	24,968	24.1	5.3	29.4	238,426	26.58

TABLE 13—FINANCIAL

Towns	District	Assessed Population J	No. of Class-rooms	Assess-ment per Class-room B	A.D.A. for the Calendar year C	A.D.A. per Class-room C
GROUP D				$		
128 Smooth Rock Falls.....	Cochrane.............	963	4	109,656	134	34
129 Cache Bay...........	Nipissing.............	963	2	82,763	55	28
130 Gore Bay............	Manitoulin...........	816	3	84,494	120	40
131 Powassan............	Parry Sound..........	774	5	58,706	176	35
132 Massey..............	Sudbury..............	729	3	30,514	77	26
133 Hearst..............	Cochrane.............	698	3	51,212	94	31
134 Webbwood...........	Sudbury..............	451	4	30,750	94	24
135 Bruce Mines..........	Algoma..............	440	3	80,480	97	32
136 Latchford...........	Timiskaming.........	399	2	43,792	72	36
137 Trout Creek..........	Parry Sound..........	391	2	50,325	64	32
138 Bala................	Muskoka.............	368	2	245,713	65	33
139 Matheson............	Cochrane.............	361	4	63,156	95	24
140 Nestorville..........	Algoma..............	300	1	34,000	50	50
141 Kearney.............	Parry Sound..........	294	2	23,353	51	25
142 Charlton............	Timiskaming.........	194	3	32,023	68	23
143 Frood Mine..........	Sudbury..............	177	1	169,802	19	19
Totals and Averages,	Group D............	8,318	44	69,083	1,331	30
Grand Totals and Aver	ages, All Towns........	478,025	1,605	151,414	55,769	35

COUNTIES—Group A—Towns with population over 6,000.
" B— " " " " 4,000 and under 6,000.
" C— " " " " 2,000 " " 4,000.
" D— " " " under 2,000.

Villages	County	Assessed Population J	No. of Class-rooms	Assess-ment per Class-room B	A.D.A. for the Calendar year C	A.D.A. per Class-room C
GROUP A				$		
1 Forest Hill............	York................	11,117	36	352,931	1,053	29
2 Swansea..............	York................	5,831	18	237,549	618	34
3 Rockcliffe Park........	Carleton.............	1,276	5	582,211	109	22
Totals and Averages,	Group A............	18,224	59	337,160	1,780	30
GROUP B						
4 Long Branch..........	York................	4,140	20	76,125	750	38
5 Fergus...............	Wellington...........	2,792	10	171,878	381	38
6 Humberstone..........	Welland.............	2,738	14	53,077	503	36
7 Delhi................	Norfolk.............	2,083	7	211,665	227	32
Totals and Averages,	Group B............	11,753	51	107,177	1,861	36
GROUP C						
8 Port Credit...........	Peel.................	1,901	9	144,441	269	30
9 Acton................	Halton..............	1,869	8	161,598	246	31
10 Morrisburg...........	Dundas..............	1,853	6	119,985	219	37
11 Port Dover...........	Norfolk.............	1,705	7	221,242	254	36
12 Exeter...............	Huron...............	1.649	6	120,350	200	33
13 Port Dalhousie.........	Lincoln.............	1,590	6	91,922	207	35
14 Cardinal.............	Grenville............	1,556	6	82,837	245	41
15 New Hamburg..	Waterloo............	1,458	6	152,333	200	33
16 Brighton.............	Northumberland......	1,454	6	118,567	202	34
17 Caledonia............	Haldimand...........	1,425	6	52,500	176	29
18 Norwich..............	Oxford..............	1,365	5	121,160	156	33
19 Hagersville...........	Haldimand...........	1,355	6	85,000	216	36
20 Port Elgin............	Bruce...............	1,321	5	97,753	168	34
21 Richmond Hill........	York................	1,317	7	176,169	241	34
22 Lakefield............	Peterboro...........	1,308	6	94,843	215	36
23 Tweed...............	Hastings............	1,228	6	136,288	177	28
24 Kemptville...........	Grenville............	1,218	5	65,000	182	36
25 Waterford............	Norfolk.............	1,216	5	183,269	175	35
26 Point Edward..........	Lambton............	1,177	5	67,926	170	34
27 Beamsville............	Lincoln.............	1,161	5	142,234	177	35
28 Stouffville............	York................	1,160	5	106,860	157	33
29 Markham.............	York................	1,153	4	109,998	156	39
30 Elora...............	Wellington...........	1,149	5	133,265	148	29
31 Havelock.............	Peterboro...........	1,147	6	53,378	180	30
32 Chippawa.............	Welland.............	1,140	5	176,733	183	37

STATISTICS, 1938

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	School District Levy B	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessment B
	$	$	$	$				$	$ c.
128	6,922	1,273	10,489	1,000	40.4	3.9	44.3	65,300	148.87
129	1,817	489	2,570	....	24.0	....	24.0	....	....
130	4,066	799	3,208	1,816	13.8	7.8	21.6	29,059	114.63
131	7,273	1,817	5,090	1,308	15.0	3.9	18.9	10,314	35.14
132	2,315	1,376	3,118	154	20.8	1.0	21.8	308	3.37
133	3,000	4,530	4,263	1,099	23.3	6.0	29.3	20,863	135.80
134	2,950	2,025	5,129	....	28.1	....	28.1	....	....
135	5,576	680	3,566	1,816	19.0	9.6	28.6	16,346	67.76
136	965	1,345	3,683	....	26.2	....	26.2	....	....
137	1,615	1,133	2,705	....	21.8	....	21.8	....	....
138	3,200	571	3,808	....	30.7	....	30.7	....	....
139	5,090	1,850	6,470	299	35.5	1.6	37.1	1,493	5.91
140	600	359	908	....	9.3	....	9.3	....	....
141	1,089	1,429	2,553	....	25.6	....	25.6	....	....
142	3,207	3,383	6,597	....	49.6	....	49.6	....	....
143	1,485	128	1,592	....	41.8	....	41.8	....	....
..	...51,170	23,187	65,749	7,492	25.5	2.9	28.4	143,683	47.27
	2,679,679	282,446	2,538,657	441,757	22.6	4.3	26.9	4,199,451	17.28

Districts—Group A—Towns with population over 10,000.
" B— " " " " 2,000 and under 10,000.
" C— " " " " 1,000 " " 2,000.
" D— " " " under 1,000.

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness	
	School District Levy E	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessm't
	$	$	$	$				$	$ c.
1	128,419	4,802	91,009	37,214	44.7	18.3	63.0	620,628	48.85
2	47,610	6,668	43,399	11,407	36.0	9.4	45.4	100,388	23.47
3	14,100	1,182	14,585	1,100	69.3	5.2	74.5	57,076	19.60
	190,129	12,652	148,993	49,721	43.2	14.4	57.6	778,092	39.11
4	41,011	6,857	30,557	16,800	20.9	11.5	32.4	160,950	105.71
5	11,200	2,290	13,266	....	17.9	....	17.9	....	....
6	21,643	6,710	21,833	5,843	22.4	6.0	28.4	52,823	71.08
7	10,200	990	9,682	....	22.0	....	22.0	....	....
	84,054	16,847	75,338	22,643	20.8	6.3	27.1	213,773	39.10
8	14,310	1,689	15,812	5,231	30.1	9.9	40.0	45,502	35.00
9	10,872	1,161	9,512	2,670	19.3	5.4	24.7	17,801	1.38
10	6,168	1,486	8,651	....	20.4	....	20.4	....	....
11	8,651	727	8,227	1,434	16.7	2.9	19.6	7,374	4.76
12	6,040	1,198	7,104	....	18.3	....	18.3	....	....
13	8,096	2,328	10,842	895	27.0	2.2	29.2	4,467	8.10
14	6,216	1,985	7,571	....	15.9	....	15.9	....	....
15	6,345	1,011	7,732	385	19.9	1.0	20.9	1,541	1.69
16	7,790	1,104	7,037	1,290	17.9	3.3	21.2	12,167	17.10
17	8,000	2,329	8,398..	....	24.6	....	24.6	....	....
18	5,918	981	6,700	....	23.8	....	23.8	....	....
19	8,010	2,174	9,766	....	23.3	....	23.3	....	....
20	5,805	1,335	7,033	....	21.6	....	21.6	....	....
21	12,288	2,175	11,435	2,791	24.4	5.9	30.3	10,107	8.20
22	7,422	1,592	10,220	140	25.0	.4	25.4	....	....
23	7,947	3,650	10,921	615	31.5	1.8	33.3	3,672	4.50
24	5,912	1,890	6,715	1,712	19.0	4.8	23.8	17,643	54.28
25	5,414	899	6,867	....	20.2	....	20.2	....	....
26	9,026	1,994	7,837	2,265	23.8	6.9	30.7	4,530	13.38
27	6,731	946	7,637	....	22.3	....	22.3	....	....
28	5,226	1,084	5,876	1,799	18.9	5.7	24.6	8,968	16.78
29	4,361	640	5,681	....	19.0	....	19.0	....	....
30	5,342	1,005	6,169	238	21.4	.8	22.2	2,237	3.36
31	4,075	2,074	6,676	341	19.1	1.0	20.1	3,165	9.88
32	9,429	1,281	9,858	1,029	27.7	2.9	30.6	2,245	2.54

TABLE 13—FINANCIAL

Villages	County	Assessed Population J	No. of Class-rooms	Assessment per Class-room B	A.D.A. for the Calendar year C	A.D.A. per Class-room C
GROUP C—(*Cont.*)				$		
33 Port Perry	Ontario	1,128	5	128,258	146	29
34 Madoc	Hastings	1,108	6	90,636	191	35
35 Barry's Bay	Renfrew	1,101	1	56,662	23	23
36 Chesterville	Dundas	1,083	4	99,398	135	34
37 Iroquois	Dundas	1,078	5	128,278	91	18
38 Tavistock	Oxford	1,063	4	140,222	115	29
39 Fenelon Falls	Victoria	1,061	4	139,713	128	32
40 Bancroft	Hastings	1,051	6	33,703	205	34
41 Shelburne	Dufferin	1,043	4	142,531	125	31
42 Winchester	Dundas	1,040	5	128,770	159	32
43 Lucknow	Bruce	1,034	4	83,370	128	32
44 Victoria Harbour	Simcoe	1,023	6	24,500	194	32
45 Arthur	Wellington	1,017	4	148,749	119	30
46 Milverton	Perth	1,010	4	160,289	119	30
47 Eganville	Renfrew	1,005	3	125,449	104	35
48 Marmora	Hastings	995	5	48,388	165	33
49 Bradford	Simcoe	989	3	181,882	104	35
50 Bobcaygeon	Victoria	985	4	132,317	132	33
51 Watford	Lambton	964	4	100,750	135	34
52 Stirling	Hastings	960	4	124,667	136	34
53 Colborne	Northumberland	955	4	135,083	147	37
54 Beaverton	Ontario	955	4	115,338	129	32
55 L'Orignal	Prescott	944	7	27,853	166	24
56 Wellington	Prince Edward	916	6	262,251	204	34
57 Port McNicoll	Simcoe	905	7	84,714	201	33
58 Waterdown	Wentworth	904	4	271,890	136	34
59 Fonthill	Welland	867	5	102,156	158	32
60 Stoney Creek	Wentworth	861	6	210,166	203	34
61 Sutton	York	852	5	139,222	173	35
62 Teeswater	Bruce	842	3	97,087	84	28
63 West Lorne	Elgin	837	4	153,483	166	41
64 Thamesville	Kent	833	4	129,247	139	35
65 Woodbridge	York	830	4	100,261	132	33
66 Portsmouth	Frontenac	826	2	92,265	89	44
67 Belle River	Essex	814	1	137,703	7	7
68 Dutton	Elgin	793	4	193,686	112	28
69 Frankford	Hastings	785	4	81,329	151	38
70 Markdale	Grey	781	4	84,036	107	27
71 Brussels	Huron	773	3	123,033	90	30
72 Merrickville	Grenville	771	4	68,750	127	32
73 Wheatley	Kent	760	4	82,669	150	37
74 Maxville	Glengarry	758	4	90,385	108	27
75 Hastings	Northumberland	757	2	135,994	94	47
76 Cannington	Ontario	756	3	138,550	87	29
77 Mildmay	Bruce	754	2	84,086	51	26
Totals and Averages,	Group C	76,442	331	120,350	10,784	33
GROUP D						
78 Port Stanley	Elgin	737	4	249,008	93	23
79 Millbrook	Durham	737	3	122,726	115	38
80 Ayr	Waterloo	730	3	138,333	99	33
81 Paisley	Bruce	729	4	92,658	102	26
82 Glencoe	Middlesex	726	4	179,884	119	30
83 Lanark	Lanark	723	3	65,054	111	37
84 Norwood	Peterboro	710	5	89,187	130	26
85 Streetsville	Peel	700	4	118,985	130	33
86 Newcastle	Durham	700	3	106,100	66	22
87 Dundalk	Grey	700	3	101,451	95	32
88 Rodney	Elgin	695	3	212,476	90	30
89 Westport	Leeds	693	2	93,307	50	25
90 Killaloe	Renfrew	691	2	52,367	46	23
91 Hensall	Huron	685	3	111,934	81	27
92 Cayuga	Haldimand	682	4	37,500	104	26
93 Athens	Leeds	670	4	56,997	99	25
94 Blyth	Huron	656	2	158,875	70	35
95 Bloomfield	Prince Edward	653	3	221,261	92	31
96 Alvinston	Lambton	650	2	150,950	80	40
97 Cobden	Renfrew	627	4	97,408	87	22
98 Creemore	Simcoe	615	3	151,019	74	25
99 Coldwater	Simcoe	612	4	63,000	124	31
100 Lucan	Middlesex	610	3	89,000	91	30

STATISTICS, 1938

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	School District Levy E	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessm't
	$	$	$	$				$	$
33	7,805	973	7,022	1,755	24.5	6.1	30.6	18,028	28.11
34	5,200	2,111	7,553	....	20.2	....	20.2	....	....
35	335	222	664	....	14.7	....	14.7	....	....
36	3,974	954	4,892	....	18.9	....	18.9	....	....
37	7,425	668	5,265	554	29.5	3.1	32.6	1,500	2.34
38	3,196	734	4,945	....	22.3	....	22.3	....	....
39	3,604	491	4,172	....	16.9	....	16.9	....	....
40	3,243	2,964	5,040	837	12.7	2.1	14.8	10,878	53.79
41	5,741	922	2,445	520	10.2	2.2	12.4	9,369	16.43
42	7,152	1,016	6,391	1,952	20.7	6.3	27.0	21,466	33.34
43	4,569	981	4,686	1,101	19.0	4.5	23.5	1,049	3.15
44	3,350	3,736	7,273	....	19.3	....	19.3	....	....
45	4,040	483	5,916	....	27.3	....	27.3	....	....
46	4,196	947	5,233	....	22.2	....	22.2	....	....
47	5,051	531	3,463	2,210	17.1	11.0	28.1	14,200	37.73
48	5,656	1,936	5,785	401	18.1	1.3	19.4	4,413	18.90
49	4,000	643	4,758	....	23.4	....	23.4	....	....
50	4,233	911	5,606	....	22.0	....	22.0	....	....
51	4,900	942	4,835	474	18.5	1.8	20.3	2,625	6.52
52	5,613	1,203	5,739	613	21.8	2.3	24.1	1,135	2.28
53	3,834	764	5,142	....	18.0	....	18.0	....	....
54	6,639	682	4,921	2,752	19.9	11.1	31.0	28,794	62.46
55	3,152	2,635	5,157	B	16.4	....	16.4	2,500	16.60
56	13,605	3,539	11,439	6,192	28.8	15.6	44.4	81,872	52.03
57	8,000	2,600	9,478	....	24.1	....	24.1	12,028	20.28
58	12,112	638	6,504	6,490	24.8	24.7	49.5	7,775	7.15
59	5,890	1,274	7,521	....	24.4	....	24.4	....	....
60	10,160	1,265	9,813	1,440 A	25.0	....	....	....	....
61	4,973	761	5,740	....	17.2	....	17.2	....	....
62	5,963	471	3,183	2,616	19.9	16.4	36.3	9,063	31.11
63	3,728	574	4,269	....	13.3	....	13.3	....	....
64	5,123	720	5,017	1,046	18.8	3.9	22.7	4,180	8.09
65	4,000	1,500	5,312	....	20.4	....	20.4	....	....
66	1,940	687	3,067	....	17.9	....	17.9	....	....
67	1,298	70	1,232	....	97.3	....	97.3	....	....
68	4,311	477	5,234	....	23.0	....	23.0	....	....
69	5,056	1,310	4,910	2,064	16.8	7.1	23.9	41,438 C	....
70	4,307	1,427	6,456	....	31.7	....	31.7	....	....
71	3,400	536	3,762	....	21.6	....	21.6	....	....
72	4,254	1,071	4,313	1,187	17.6	4.8	22.4	11,977	43.55
73	4,020	705	3,729	....	12.8	....	12.8	....	....
74	2,863	846	4,593	....	22.2	....	22.2	....	....
75	2,286	572	2,797	....	15.3	....	15.3	....	....
76	3,003	511	3,540	....	20.9	....	20.9	....	....
77	1,351	647	2,207	....	22.6	....	22.6	....	....
	403,945	88,388	441,296	57,039	21.1	2.7	23.8	425,709	10.69
78	5,701	728	6,540	....	36.5	....	36.5	....	....
79	4,737	675	4,263	....	19.2	....	19.2	....	....
80	4,180	497	3,949	802	22.9	4.6	27.5	5,616	13.53
81	3,177	593	4,853	1,301	24.6	6.5	31.1	6,604	17.82
82	6,085	483	4,511	2,084	19.6	9.1	28.7	25,700	35.71
83	2,558	832	2,874	....	13.4	....	13.4	....	....
84	7,800	1,323	6,858	....	26.7	....	26.7	....	....
85	4,996	932	6,112	150	24.9	.6	25.5	....	....
86	2,826	665	3,925	....	30.3	....	30.3	....	....
87	3,300	796	4,513	....	24.8	....	24.8	....	....
88	2,800	297	3,252	....	18.6	....	18.6	....	....
89	2,778	579	2,850	....	28.8	....	28.8	....	....
90	1,793	637	1,726	669	19.0	7.3	26.3	7,363	70.30
91	2,887	613	3,462	....	22.2	....	22.2	....	....
92	3,578	2,084	5,723	391	28.4	1.9	30.3	2,346	15.65
93	3,655	1,100	4,747	....	24.8	....	24.8	....	....
94	2,446	365	2,802	....	20.8	....	20.8	....	....
95	4,008	551	3,578	674	20.3	3.8	24.1	2,446	3.69
96	2,811	517	2,867	374	18.4	2.4	20.8	10,836	35.90
97	3,074	1,690	4,643	....	27.3	....	27.3	....	....
98	3,579	404	3,302	712	22.9	4.9	27.8	5,597	12.35
99	6,350	1,368	5,249	....	22.0	....	22.0	....	....
100	2,125	449	3,300	....	18.8	....	18.8	....	....

TABLE 13—FINANCIAL

Villages	County	Assessed Population J	No. of Class-rooms	Assess-ment per Class-room B	A.D.A. for the Calendar year C	A.D.A. per Class-room C
GROUP D—(*Cont.*)				$		
101 Grand Valley	Dufferin	605	3	115,822	71	24
102 Bolton	Peel	600	3	130,722	72	24
103 Thedford	Lambton	595	2	78,500	89	45
104 Beeton	Simcoe	571	3	109,449	94	31
105 Tottenham	Simcoe	557	3	95,005	84	28
106 Port Rowan	Norfolk	556	3	163,957	83	28
107 Omemee	Victoria	553	2	203,111	84	42
108 Drayton	Wellington	527	2	213,797	64	32
109 Jarvis	Haldimand	519	3	61,666	92	31
110 Wyoming	Lambton	516	2	79,750	57	29
111 Oil Springs	Lambton	514	2	68,500	66	33
112 Lancaster	Glengarry	511	2	94,322	42	21
113 Braeside	Renfrew	510	3	69,909	93	31
114 Erin	Wellington	506	2	208,184	72	36
115 Newburgh	Lennox	489	2	58,991	63	32
116 Ailsa Craig	Middlesex	483	2	137,663	47	23
117 Tara	Bruce	474	2	104,000	52	26
118 Flesherton	Grey	455	2	116,302	61	30
119 Neustadt	Grey	455	3	65,247	90	30
120 Clifford	Wellington	452	2	184,414	72	36
121 Ripley	Bruce	442	2	229,382	48	24
122 Embro	Oxford	423	2	126,450	61	30
123 Woodville	Victoria	421	2	171,350	25	12
124 Richmond	Carleton	403	2	216,950	78	39
125 Lion's Head	Bruce	398	2	58,791	79	40
126 Arkona	Lambton	397	2	72,750	69	35
127 Springfield	Elgin	377	3	144,127	75	38
128 Hepworth	Bruce	352	2	44,997	46	23
129 Bath	Lennox	343	2	55,500	49	24
130 Newboro	Leeds	341	2	62,477	60	30
131 Finch	Stormont	337	2	113,027	81	40
132 Chatsworth	Grey	337	2	45,000	47	24
133 Shallow Lake	Grey	335	2	50,854	72	36
134 Courtright	Lambton	329	2	86,904	55	28
135 Erieau	Kent	295	2	101,000	42	21
136 Newbury	Middlesex	288	2	104,487	64	32
137 Deloro	Hastings	278	2	32,631	56	28
138 Tiverton	Bruce	261	2	82,269	44	22
139 Wardsville	Middlesex	236	2	108,510	38	19
140 Vienna	Elgin	217	2	77,063	48	24
141 St. Clair Beach	Essex	106	1	563,834	37	37
Totals and Averages,	Group D	33,094	165	115,783	4,770	29
GROUP E	District					
142 South River	Parry Sound	861	5	71,680	153	31
143 Burk's Falls	Parry Sound	711	4	93,775	135	39
144 Sundridge	Parry Sound	550	3	78,192	123	41
145 Port Carling	Muskoka	511	2	182,859	79	40
146 Rosseau	Parry Sound	305	2	64,750	41	22
147 Hilton Beach	Algoma	207	2	29,575	35	18
148 Thornloe	Timiskaming	120	1	14,069	16	16
149 Windermere	Muskoka	118	1	84,189	19	19
150 Port Sydney	Muskoka	112	2	32,110	27	14
Totals and Averages, Group E		3,495	22	76,588	628	29
Totals and Averages, All Villages		143,008	628	136,916	19,823	32
Totals and Averages, All Urban		2,193,934	6,874	295,632	247,368	36
Grand Totals and Averages		3,394,228	14,119	204,010	408,118	29

County Villages: Group A—Suburban Villages.
" B—Villages with population over 2,000.
" C— " " " from 750 to 2,000.
" D— " " " under 750.
District Villages: Group E

A Ordinary schools limited to those with less than 6 teachers.

B Local assessment for the Districts (and all municipalities therein), Cities, and the seven separated towns—Equalized assessment in all other cases.

C Average Daily Attendance for the calendar year.

D In Default.

E Includes Debenture levy.

STATISTICS, 1938

	Major Sources of Receipts		Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness H	
	School District Levy E	Legislative Grant	Current F	Capital G	Current	Capital	Total	Amount	Per $1,000 of Assessm't
	$	$	$	$				$	$ c.
101	2,763	522	3,126	....	22.8	....	22.8	....	....
102	1,986	450	3,498	....	24.6	....	24.6	....	....
103	1,908	509	2,362	158	13.6	.9	14.5	1,148	7.32
104	4,147	471	3,892	654	21.1	3.5	24.6	6,077	18.51
105	2,896	467	3,546	....	21.6	....	21.6	....	....
106	2,730	326	3,058	....	19.0	....	19.0	....	....
107	2,461	343	2,700	149	16.6	.9	17.5	....	....
108	2,149	297	2,493	....	20.1	....	20.1	....	....
109	3,580	1,304	3,889	....	21.4	....	21.4	....	....
110	2,100	594	2,540	....	23.6	....	23.6	....	....
111	2,275	688	2,636	....	20.5	....	20.5	....	....
112	1,500	487	1,980	....	24.7	....	24.7	....	....
113	2,756	835	3,305	....	18.4	....	18.4	....	....
114	4,069	201	3,093	1,565	21.9	11.1	33.0	15,646	37.58
115	1,600	602	2,306	....	18.7	....	18.7	....	....
116	2,466	236	2,072	466	22.9	5.1	28.0	5,835	21.20
117	220	336	2,213	....	22.1	....	22.1	....	....
118	2,267	444	3,118	....	26.4	....	26.4	....	....
119	2,496	951	3,057	1,496	17.2	8.4	25.6	18,646	95.26
120	2,382	265	2,278	400	16.3	2.9	19.2	3,134	8.50
121	2,500	230	2,187	....	23.4	....	23.4	....	....
122	1,950	267	2,037	....	17.4	....	17.4	....	....
123	3,604	190	2,138	1,046	21.7	10.6	32.3	14,642	42.77
124	2,185	289	1,887	576	13.5	4.1	17.6	5,324	12.28
125	837	557	1,784	....	12.7	....	12.7	....	....
126	983	498	2,049	....	15.5	....	15.5	....	....
127	4,799	290	3,547	1,799	24.3	12.3	36.6	16,192	37.45
128	1,155	655	1,996	....	22.2	....	22.2	....	....
129	1,400	540	2,123	....	21.3	....	21.3	....	....
130	1,310	928	2,344	....	20.2	....	20.2	....	....
131	2,319	266	2,545	....	16.2	....	16.2	....	....
132	1,311	385	2,391	....	26.2	....	26.2	....	....
133	893	664	2,189	....	15.7	....	15.7	....	....
134	1,234	484	2,281	....	21.6	....	21.6	....	....
135	2,898	531	2,738	....	33.4	....	33.4	4,550	22.53
136	833	355	2,017	....	16.3	....	16.3	....	....
137	2,258	1,300	3,315	58	30.7	.5	31.2	1,942	29.76
138	1,680	199	1,758	....	20.8	....	20.8	....	....
139	1,486	190	1,680	....	22.6	....	22.6	....	....
140	746	326	2,054	....	22.1	....	22.1	....	....
141	947	89	1,192	....	16.6	....	16.6	....	....
	173,323	37,739	199,313	15,524	21.5	1.7	23.2	159,644	8.36
142	3,747	3,110	5,294	1,497	17.8	4.4	22.2	3,968	11.07
143	4,765	1,459	6,612	....	17.3	....	17.3	....	....
144	2,119	2,409	4,200	....	17.8	....	17.8	....	....
145	2,961	442	3,434	1,221	22.4	8.0	30.4	6,002	45.93
146	3,251	1,052	3,309	....	41.0	....	41.0	....	....
147	1,135	1,099	1,911	335	28.2	4.9	33.1	3,347	56.58
148	252	1,025	1,345	....	44.6	....	44.6	....	....
149	842	191	557	....	15.1	....	15.1	....	....
150	1,379	826	2,359	....	46.1	....	46.1	....	....
	20,451	11,613	29,021	3,053	23.9	2.5	26.4	13,317	7.90
	871,902	167,239	893,961	147,980	23.3	3.9	27.2	1,590,535	18.50
	17,519.286	944,653	15,483,492	3,319,313	32.1	7.0A	39.1	28,243,095	13.90
	21,561,846	3,439,051	24,060,099	3,987,687	30.3	5.1A	35.4	36,960,871	12.83

F General Maintenance.
G Payments on debentures or into sinking fund.
H Including arrears, but excluding sinking fund.
I New schools opened in the fall of 1938.
J Total debt against total assessment.
K Exclusive of those in default.
L Includes $5,549 annual instalment on school purchased from Collegiate Institute.
M Gross.
N Paid on assumption from Saltfleet Township.
P No payment. Debenture just issued.
Q Includes Continuation School.
R In the case of the Districts, the Province pays the equivalent of the County Grant. This is included in the Legislative Grant figure.

NOTE: In calculating group averages, the totals in each group are used as the bases.

INDEX TO TABLE 13—FINANCIAL STATISTICS, 1938

TOWNS

Town	No.
Alexandria	73
Alliston	92
Almonte	65
Amhertsburg	53
Arnprior	36
Aurora	57
Aylmer	67
Bala	138
Barrie	6
Blenheim	80
BlindRiver	114
Bothwell	100
Bowmanville	41
Bracebridge	113
Brampton	19
Brockville	3
Bruce Mines	135
Burlington	42
Cache Bay	129
Campbellford	52
Capreol	121
Carleton Place	33
Charlton	142
Chesley	81
Clinton	75
Cobalt	110
Cobourg	23
Cochrane	106
Collingwood	22
Coniston	117
Copper Cliff	105
Cornwall	1
Deseronto	93
Dresden	86
Dryden	122
Dundas	28
Dunnville	39
Durham	76
Eastview	8
Elmira	69
Englehart	126
Essex	77
Forest	87
Fort Erie	18
Fort Frances	103
Frood Mine	143
Gananoque	44
Georgetown	64
Geraldton	119
Goderich	31
Gore Bay	130
Gravenhurst	115
Grimsby	71
Haileybury	112
Hanover	48
Harriston	94
Harrow	96
Hawkesbury	16
Hearst	133
Hespeler	55
Huntsville	111
Ingersoll	24
Iroquois Falls	124
Kapuskasing	108
Kearney	141
Keewatin	123
Kenora	102
Kincardine	61
Kingsville	63
La Salle	98
Latchford	136
Leamington	20
Leaside	47
Lindsay	10
Listowel	56
Little Current	127
Massey	132
Matheson	139
Mattawa	116
Meaford	54
Merritton	60
Midland	13
Milton	78
Mimico	11
Mitchell	85
Mount Forest	79
Napanee	49
Nestorville	140
New Liskeard	109
Newmarket	45
New Toronto	9
Niagara	84
Oakville	40
Orangeville	59
Orillia	4
Palmerston	91
Paris	32
Parkhill	97
Parry Sound	107
Pembroke	2
Penetanguishene	35
Perth	34
Petrolia	58
Picton	46
Port Colborne	14
Port Hope	29
Powassan	131
Prescott	50
Preston	15
Rainy River	125
Renfrew	21
Ridgetown	74
Riverside	26
Rockland	70
St. Mary's	37
Seaforth	83
Simcoe	17
Sioux Lookout	118
Smith's Falls	7
Smooth Rock Falls	128
Southampton	90
Stayner	95
Sturgeon Falls	104
Strathroy	51
Tecumseh	66
Thessalon	120
Thornbury	99
Thorold	27
Tilbury	72
Tillsonburg	38
Timmins	101
Trenton	12
Trout Creek	137
Uxbridge	88
Vankleek Hill	89
Walkerton	62
Wallaceburg	30
Waterloo	5
Webbwood	134
Weston	25
Whitby	43
Wiarton	82
Wingham	68

VILLAGES

Village	No.
Acton	9
Ailsa Craig	116
Alvinston	96
Arkona	126
Arthur	45
Athens	93
Ayr	80
Bancroft	40
Barry's Bay	35
Bath	129
Beamsville	27
Beaverton	54
Beeton	104
Belle River	67
Bloomfield	95
Blyth	94
Bobcaygeon	50
Bolton	102
Bradford	49
Braeside	113
Brighton	16
Brussels	71
Burk's Falls	143
Caledonia	17
Cannington	76
Cardinal	14
Cayuga	92
Chatsworth	132
Chesterville	36
Chippawa	32
Clifford	120
Cobden	97
Colborne	53
Coldwater	99
Courtright	134
Creemore	98
Delhi	7
Deloro	137
Drayton	108
Dundalk	87
Dutton	68
Eganville	47
Elora	30
Embro	122
Erieau	135
Erin	114
Exeter	12
Fenelon Falls	39
Fergus	5
Finch	131
Flesherton	118
Fonthill	59
Forest Hill	1
Frankford	69
Glencoe	82
Grand Valley	101
Hagersville	19
Hastings	75
Havelock	31
Hensall	91
Hepworth	128
Hilton Beach	147
Humberstone	6
Iroquois	37
Jarvis	109
Kemptville	24
Killaloe	90
Lakefield	22
Lanark	83
Lancaster	112
Lion's Head	125
Long Branch	4
L'Orignal	55
Lucan	100
Lucknow	43
Madoc	34
Markdale	70
Markham	29
Marmora	48
Maxville	74
Merrickville	72
Mildmay	77
Millbrook	79
Milverton	46
Morrisburg	10
Neustadt	119
Newboro	130
Newburgh	115
Newbury	136
Newcastle	86
New Hamburg	15
Norwich	18
Norwood	84
Oil Springs	111
Omemee	107
Paisley	81
Point Edward	26
Port Carling	145
Port Credit	8
Port Dalhousie	13
Port Dover	11
Port Elgin	20
Port McNicoll	57
Port Perry	33
Port Rowan	106
Port Stanley	78
Port Sydney	150
Portsmouth	66
Richmond	124
Richmond Hill	21
Ripley	121
Rockcliffe Park	3
Rodney	88
Rosseau	146
St. Clair Beach	141
Shallow Lake	133
Shelburne	41
South River	142
Springfield	127
Stirling	52
Stoney Creek	60
Stouffville	28
Streetsville	85
Sundridge	144
Sutton	61
Swansea	2
Tara	117
Tavistock	38
Teeswater	62
Thamesville	64
Thedford	103
Thornloe	148
Tiverton	138
Tottenham	105
Tweed	23
Victoria Harbour	44
Vienna	140
Wardsville	139
Waterdown	58
Waterford	25
Watford	51
Wellington	56
West Lorne	63
Westport	89
Wheatley	73
Winchester	42
Windermere	149
Woodbridge	65
Woodville	123
Wyoming	110

TABLE 14—PERCENTAGE ANALYSIS OF CURRENT EXPENSES IN CITIES, AND IN TOWNS OVER 6,000 POPULATION, FOR THE YEAR 1938

Cities	Assessed Population	Teachers' Salaries	Plant Operation	Plant Maintenance	Administration	Instructional Equipment	Auxiliary Agencies
Toronto	647,803	77.3	8.9	6.0	4.2	2.6	1.0
Hamilton	154,751	82.0	10.4	3.5	1.7	2.2	.2
Ottawa	144,202	74.3	10.7	6.4	2.2	3.3	3.1
Windsor	103,813	70.4	14.2	5.2	2.9	3.7	3.6
London	73,846	70.0	11.4	7.5	2.4	4.2	4.5
Kitchener	33,080	76.7	11.2	3.0	2.5	4.3	2.3
Brantford	31,369	77.1	13.3	3.7	1.6	4.2	.1
St. Catharines	27,647	69.9	11.4	6.2	2.3	5.0	5.2
Sudbury	26,463	71.4	14.5	6.1	2.3	3.5	2.2
Oshawa	24,756	76.5	13.1	3.9	2.5	2.5	1.5
Fort William	24,301	76.1	13.5	4.1	1.4	2.7	2.2
Sault Ste. Marie	23,853	69.4	16.0	7.0	2.7	2.5	2.4
Peterborough	23,984	75.6	10.6	5.9	1.3	3.1	3.5
Kingston	23,355	69.0	12.1	11.6	2.4	3.2	1.7
Guelph	21,514	73.7	13.3	5.5	3.2	4.1	.2
Port Arthur	20,872	70.5	15.5	7.2	2.5	3.5	.8
Niagara Falls	18,928	72.3	13.7	7.2	2.2	1.4	3.2
Sarnia	18,269	74.5	12.2	4.8	2.7	3.6	2.2
Stratford	17,159	73.3	12.7	5.2	1.4	3.2	4.2
Chatham	16,517	81.4	7.5	5.4	1.6	2.5	1.6
North Bay	15,358	74.4	18.0	4.1	1.5	1.9	.1
St. Thomas	16,352	74.1	14.3	4.4	2.3	4.5	.4
Belleville	14,589	73.5	12.2	3.3	2.9	4.5	3.6
Galt	14,219	75.1	12.6	2.9	2.0	4.1	3.3
Owen Sound	13,411	72.9	13.4	1.5	1.8	2.0	8.4
Woodstock	11,418	64.7	12.0	16.2	1.4	5.5	.2
Welland	11,072	72.1	14.3	6.7	2.2	2.1	2.6
Averages	....	70.2	13.6	7.2	2.2	4.1	2.7
Towns							
Cornwall	13,347	75.8	12.4	8.9	1.8	1.0	.1
Pembroke	10,412	68.1	14.2	6.9	2.6	5.0	3.2
Brockville	9,995	69.6	15.2	5.5	.8	4.3	4.6
Orillia	8,921	66.5	18.0	6.6	2.2	5.0	1.7
Waterloo	8,524	70.8	10.2	6.5	2.0	6.3	4.2
Barrie	8,310	66.7	14.3	6.0	1.4	7.5	4.1
Smith's Falls	7,672	79.1	10.4	5.0	2.2	1.9	1.4
Eastview	*7,256	67.1	6.6	22.5	3.8	....	....
New Toronto	7,140	65.6	15.0	8.4	2.9	3.4	4.7
Lindsay	7,138	67.7	14.9	13.6	1.0	2.4	.4
Mimico	7,012	70.9	13.0	7.8	2.6	2.0	3.7
Trenton	6,833	68.0	18.5	6.6	1.7	3.0	2.2
Midland	6,669	71.6	15.1	4.9	4.1	1.8	2.5
Port Colborne	6,503	76.8	10.2	6.3	3.0	3.6	.1
Preston	6,422	67.5	11.9	5.1	1.3	12.7	1.5
Hawkesbury	*6,053	49.1	23.8	21.9	2.8	2.1	.3
Simcoe	6,052	76.4	14.4	5.8	1.1	2.2	.1
Averages	....	70.2	13.8	7.4	2.1	4.0	2.5

*Comparatively small Public School population.

TABLE 15—CONSOLIDATED SCHOOLS, 1938-39

No.	Consolidated School	County or District	Sections Consolidated	Assessment	No. of Teachers	Grade of Certificate		Enrolment	No. Conveyed	Average Attendance	Attendance Efficiency Percentage	No. in Fifth Class	No. in Continuation School
						I	II						
1	Barwick........	Rainy River..........	4, 11, 12 Barwick..............	$97,680	3	2	1	95	22	73.45	94.5	5	....
2	Burriss..........	Rainy River..........	1, 2 Burriss....................	92,370	3	2	1	60	58	50.18	87.3	7	....
3	Byng Inlet.....	Parry Sound..........	2 Wallbridge, 1 Henvey........	61,500	3	3	......	147	34	111.90	88.4	6	....
4	Charlton.......	Temiskaming.........	2, 4 Dack, Charlton Town......	96,168	3	2	1	95	55	68.38	86.4	4	....
5	Dorion.........	Thunder Bay.........	1, 2, 3 Dorion..................	78,325	3	3	......	94	80	74.50	84.1	3	....
6	Falls View......	Welland..............	7, 8 Stamford..................	4,844,990	8	6	2	311	82	255.00	92.4	......	....
7	Gooderham.....	Haliburton...........	2, 4, 5 Glamorgan.............	33,000	3	......	3	85	42	62.62	85.4	9	....
8	Grant..........	Carleton.............	3, 15 Nepean..................	615,020	3	1	2	137	18	112.43	91.2	......	....
9	Grantham......	Lincoln..............	5, 6 Grantham.................	404,600	8	8	......	314	50	256.93	88.9	28	....
10	Hudson........	Timiskaming.........	Hudson Township.............	144,600	2	1	1	71	62	55.78	91.8	2	....
11	Humber Heights	York.................	5 Etobicoke (3 schools).........	575,360	7	6	1	305	93	271.95	90.7	......	....
12	Katrine........	Parry Sound..........	1, 5 Armour...................	55,568	1	1	......	31	23	24.33	91.0	3	....
13	Macdonald.....	Wellington...........	6½, 7 Guelph..................	439,805	5	3	2	151	*	130.43	93.3	18	....
14	Mallorytown....	Leeds................	4, 5, 6 Front of Yonge, 19 Front of Escott..................	239,466	4	2	2	119	54	73.79	85.1	......	51
15	Mindemoya.....	Manitoulin Island.....	1, 4 Carnarvon................	88,135	4	3	1	119	23	100.35	90.9	......	41
16	Morley.........	Rainy River..........	7 Morley, 9 Morley and Dilke, 1 Long Sault................	175,013	3	......	3	113	82	100.05	93.8	17	....
17	Nipigon........	Thunder Bay.........	1, 2, 3 Nipigon................	635,202	6	6	1	209	31	183.94	91.8	......	29
18	Nobel..........	Parry Sound..........	1 Carling, 3 MacDougall.......	217,623	2	2	......	75	54	66.09	91.9	6	....
19	North Mountain.	Dundas..............	9, 12, 13, 14 Mountain.........	317,350	7	5	2	156	126	131.40	86.4	......	44
20	Pointe au Baril..	Parry Sound..........	1, 2 Harrison.................	292,500	1	1	......	32	32	21.35	81.9	4	....
21	Quibell.........	Kenora..............	1, 2 Wabigoon, 1 Redvers......	51,500	2	2	......	43	38	38.25	92.8	5	....
22	Savard.........	Temiskaming.........	1, 2 Savard, 2 Robillard........	71,610	2	1	1	88	82	68.19	85.7	7	....
23	Sundridge......	Parry Sound..........	6, 4 Strong, Sundridge Village...	235,000	5	4	1	183	45	153.19	87.2	......	45
24	Tamworth......	Lennox and Addington.	3, 6, 7 Sheffield, 28 Camden....	348,171	3	3	1	183	85	102.61	90.9	......	70
25	Tweed.........	Hastings............	3, 5 Hungerford, Tweed Village..	801,620	6	2	4	223	92	194.36	91.6	......	....
26	Wellington.....	Prince Edward........	10, 11, 14 Hillier, 9, 10 Hallowell, Wellington Village...........	1,573,504	9	4	5	314	153	277.30	87.5	......	68
27	West Guilford...	Haliburton...........	2, 5, Guilford.................	33,690	3	2	1	83	70	71.59	86.6	8	....
28	Wilberforce.....	Haliburton...........	2, 6 Monmouth, 8 Cardiff......	31,722	3	2	1	50	24	45.88	85.1	......	13
			Totals..................		112	77	37	3,886	1,610	3176.22	89.8	132	361

*Students conveyed by street cars.

TABLE 15—CONSOLIDATED SCHOOLS, 1938-39

No.	Consolidated School	Cost of Operation					Legislative Grants					Cost per Pupil of Average Attendance		
		Teachers' Salaries	Transportation	Current Operations (a)	Capital Charges (b)	Total (a) & (b)	General	Transportation	Special on Salaries and Equipment	Fifth Class and Continuation School	Total	To Locality	To Government	Total
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	Barwick..........	2,619.00	1,150.00	5,002.55	1,598.32	6,600.87	2,090.00	742.77	300.00	207.00	3,339.00	44.39	45.47	89.86
2	Burriss...........	2,700.00	2,020.10	5,931.11	1,452.98	7,384.09	2,159.06	1,329.39	300.00	289.35	4,077.80	65.89	81.26	147.15
3	Byng Inlet.......	3,200.00	975.00	6,548.09	348.74	6,896.83	3,088.73	662.40	311.80	172.70	4,235.63	23.78	37.85	61.63
4	Charlton.........	2,473.50	2,279.50	6,987.29	....	6,987.29	1,529.31	1,339.44	320.34	346.41	3,595.50	49.60	52.58	102.18
5	Dorion...........	2,550.00	2,209.80	7,323.53	983.71	8,307.24	2,469.96	1,425.48	313.69	....	4,209.18	55.01	56.49	111.50
6	Falls View........	11,215.06	1,729.31	23,452.04	....	23,452.04	2,297.90	524.79	835.04	....	3,657.73	77.63	14.34	91.97
7	Gooderham.......	2,270.00	2,061.00	4,974.92	....	4,974.92	2,315.79	1,273.35	300.00	198.00	4,087.14	14.18	65.26	79.44
8	Grant............	4,025.00	329.30	7,122.46	6,192.49	13,314.95	1,078.78	130.00	350.00	....	1,558.78	104.57	13.86	118.43
9	Grantham........	7,593.50	1,000.00	12,564.68	....	12,564.68	3,625.35	300.00	800.00	147.37	4,872.72	29.94	18.96	48.90
10	Hudson..........	1,503.50	1,940.45	4,900.14	....	4,900.14	848.50	1,135.29	200.00	134.35	2,318.14	46.29	41.55	87.84
11	Humber Heights...	7,985.75	1,309.50	10,551.04	6,210.42	16,761.46	2,877.55	394.88	700.00	....	3,972.43	47.03	14.60	61.63
12	Katrine..........	1,050.00	733.43	2,016.76	....	2,016.76	487.23	466.35	103.40	....	1,056.98	39.45	43.44	82.89
13	Macdonald.......	5,780.00	162.50	8,783.54	....	8,783.54	1,615.10	44.15	500.00	131.40	2,290.65	49.78	17.56	67.34
14	Mallorytown......	4,280.00	2,085.00	8,203.07	2,615.55	10,818.62	509.43	958.39	400.00	1,264.50	3,132.32	104.16	42.45	146.61
15	Mindemoya.......	3,090.00	1,086.40	5,828.49	1,516.00	7,344.49	1,625.66	657.00	400.00	1,220.31	3,902.97	34.39	39.01	73.40
16	Morley...........	2,450.00	3,115.96	6,536.75	1,220.52	7,757.27	1,278.34	1,876.93	300.00	246.63	3,701.90	58.48	20.12	78.60
17	Nipigon..........	5,950.00	2,071.17	12,571.21	1,887.86	14,459.07	1,574.15	1,238.98	600.00	939.45	4,352.58	54.89	23.66	78.55
18	Nobel............	2,400.00	2,700.00	6,282.01	805.86	7,087.87	1,003.18	1,633.68	200.00	170.84	3,007.70	61.73	45.51	107.24
19	North Mountain...	7,393.00	3,680.00	15,838.52	4,383.28	20,221.80	1,763.77	1,697.44	700.00	....	4,161.21	122.63	31.65	153.78
20	Pointe au Baril....	1,067.00	1,386.00	3,286.02	596.39	3,882.41	344.64	801.60	100.00	....	1,246.24	173.47	58.37	181.84
21	Quibell...........	1,600.00	2,501.48	5,108.93	174.90	5,283.83	1,185.30	1,575.29	200.00	212.40	3,172.99	55.18	82.95	138.13
22	Savard...........	1,880.34	3,794.16	12,478.43	....	12,478.43	1,449.43	2,126.32	225.00	179.69	3,980.44	124.62	58.37	182.99
23	Sundridge........	4,950.00	955.25	7,203.33	....	7,203.33	1,263.77	600.90	556.00	1,256.28	3,676.97	23.02	24.00	47.02
24	Tamworth........	2,500.00	2,365.20	5,575.20	....	5,575.20	1,033.57	1,419.05	300.00	1,391.62	4,144.24	13.95	40.38	54.33
25	Tweed...........	5,700.00	3,680.50	10,756.55	871.80	11,628.35	1,368.44	1,207.63	800.00	....	3,276.07	42.51	17.37	59.88
26	Wellington.......	9,842.50	3,568.69	18,386.74	8,256.00	26,642.74	1,172.90	1,001.70	900.00	681.57	3,756.17	82.53	13.54	96.07
27	West Guilford.....	2,211.60	1,325.25	1,880.13	2,211.60	4,091.73	1,442.30	966.30	200.00	....	1,608.60	34.68	22.47	57.15
28	Wilberforce.......	2,500.00	492.50	3,383.39	....	3,383.39	585.29	297.50	300.00	353.32	1,536.11	40.26	33.48	73.74
	Totals.......	112,779.75	52,707.45	229,476.92	41,326.42	270,803.34	44,083.43	27,827.00	11,515.27	9,543.19	91,928.19	56.33	28.94	85.27

TABLE 16—LOW ATTENDANCE SCHOOLS, CALENDAR YEAR, 1939

(A) Distribution

Counties	Average Attendance										
	1	2	3	4	5	6	7	8	9	10	Total
Addington					1	2		1	2	1	7
Brant									2	1	3
Bruce					2	4	4	6	7	13	36
Carleton					2		5	2	3		12
Dufferin					1	1	6	2	10	2	22
Dundas			1				1	3	3	3	11
Durham					1	1	2	4	3	8	19
Elgin				1	1	2		2	5	3	14
Essex				1							1
Frontenac			1	3	3	2	7	9	9	8	42
Glengarry								2	4	6	12
Grenville			1	1		6	3	3	4	6	24
Grey				3	1	3	5	4	9	9	34
Haldimand							1		3	1	5
Haliburton				1	1	2		4	2	3	13
Halton						1		2	2	4	9
Hastings			1		2	5	2	7	5	7	29
Huron						4	5	9	10	5	33
Kent						1			1	1	3
Lambton				2	1	2	3	4	3	7	22
Lanark		1	1		2	4	6	6	13	5	38
Leeds					5	4	8	7	6	10	40
Lennox					1	2	3	4	7	6	23
Lincoln										2	2
Middlesex					3	7	5	10	4	5	34
Norfolk									1	1	2
Northumberland					1	1	1		5	1	9
Ontario					1	1	2	1	6	3	14
Oxford										1	1
Peel					1	1		2	2	4	10
Perth						2			6	2	10
Peterborough				1	4		2	4	3	4	18
Prescott			1		2		6	3	4	2	18
Prince Edward				1	1	2	3	6	3	5	21
Renfrew				1	3	1	6	3	6	6	26
Russell					2		1	2			5
Simcoe				1		2	3	1	8	7	22
Stormont						1	2	1	4	3	11
Victoria					2	3	4	7	6	11	33
Waterloo								2		1	3
Welland										1	1
Wellington							2	4	5	4	15
Wentworth								1			1
York									1	1	2
Totals		1	6	16	44	67	98	128	177	173	710
Districts											
Algoma				1	2		1	1	3	1	9
Cochrane					1	1	3		2	6	13
Kenora										2	2
Manitoulin						1	1	4		1	7
Muskoka				1	3	2	3	3	4	2	18
Nipissing						1		2	2	5	10
Parry Sound			1		6	2	3	5	4	12	33
Rainy River						1	3		3	2	9
Sudbury					1			4	3	1	9
Thunder Bay					1		1	3	5	4	14
Timiskaming	1				1	1	1	1	1	4	10
Totals	1		1	2	15	9	16	23	27	40	134
Grand Totals	1	1	7	18	69	76	114	151	204	213	844

TABLE 16—LOW ATTENDANCE SCHOOLS, CALENDAR YEAR, 1939

(B) Costs

(I) Schools with an Average Attendance of 1 to 5

	Number of Schools	Pupil-Days Attended	Average Daily Attendance per School	Current Disbursements for the Year				Legislative Share	Cost per Pupil-day (in cents) (Gen. maintenance only)			Average Cost per Pupil-day for all Ordinary Rural Public Schools in the Province
				General Maintenance	Capital Outlays	Capital Charges	Total		To Local (Net)	To Gov't.	Total	
				$	$	$	$	$				
Counties........	67	60,731	4.65	52,291	296	703	53,290	14,483	62.3	23.8	86.1	....
Districts........	19	17,168	4.63	14,443	936	80	15,459	9,348	29.7	54.5	84.2	....
Province........	86	77,899	4.65	66,734	1,232	783	68,749	23,831	55.1	30.6	85.7	....

(II) Schools with an Average Attendance of 6 to 10

	Number of Schools	Pupil-Days Attended	Average Daily Attendance per School	General Maintenance	Capital Outlays	Capital Charges	Total	Legislative Share	To Local (Net)	To Gov't.	Total	Average Cost per Pupil-day for all Ordinary Rural Public Schools in the Province
				$	$	$	$	$				
Counties........	643	1,067,977	8.47	561,135	12,688	3,222	577,045	120,299	41.3	11.3	52.6	....
Districts........	115	205,062	9.11	116,411	4,763	1,408	122,582	69,808	22.7	34.0	56.7	....
Province........	758	1,273,039	8.57	677,546	17,451	4,630	699,627	190,107	38.3	14.9	53.2	....

(III) Schools with an Average Attendance of 1 to 10

	Number of Schools	Pupil-Days Attended	Average Daily Attendance per School	General Maintenance	Capital Outlays	Capital Charges	Total	Legislative Share	To Local (Net)	To Gov't.	Total	Average Cost per Pupil-day for all Ordinary Rural Public Schools in the Province
				$	$	$	$	$				
Counties........	710	1,128,708	8.11	613,426	12,984	3,925	630,335	134,782	42.4	11.9	54.3	26.8
Districts........	134	222,230	8.48	130,854	5,699	1,488	138,041	79,156	23.3	35.6	58.9	30.0
Province........	844	1,350,938	8.17	744,280	18,683	5,413	768,376	213,938	39.3	15.8	55.1	27.3

Number of Low-Attendance Schools closed, June 1939 was 43. Total number of Schools not operating, due to low attendance, 156.

TABLE 17—PROTESTANT SEPARATE SCHOOLS, 1938

	S.S. 1 Grattan (Renfrew)	S.S. 2 Hagarty (Renfrew)	L'Orignal Village (Prescott)	Penetanguishene Town (Simcoe)	Totals
Number of Schools	1	1	1	1	4
Receipts:	$ c.	$ c.	$ c.	$ c.	$ c.
Balances from 1937	372.18	6.64	384.31	983.66	1,746.79
Legislative Grants	138.06	329.89	179.00	1,247.68	1,894.63
School District Levy	551.48	596.46	366.50	8,724.20	10,238.64
Other Sources	14.49	218.16	1.31	123.13	357.09
Totals	1,076.21	1,151.15	931.12	11,078.67	14,237.15
Expenditures:					
Teachers' Salaries	540.03	600.00	615.00	5,032.00	6,787.03
Other Current	90.46	295.45	137.50	2,447.23	2,970.64
Total Current	630.49	895.45	752.50	7,479.23	9,757.67
Capital Outlays	....	....	....	1,458.32	1,458.32
Repayment of Temporary Loans	....	251.00	....	1,500.00	1,751.00
Totals	630.49	1,146.45	752.50	10,437.55	12,966.99
Balance on hand, December 31, 1938	445.72	4.70	178.62	641.12	1,270.16
Cost of Education per Pupil-Day (in cents)	13.3	30.1	59.4	24.6	24.8
*Teachers:					
Male	....	....	....	1	1
Female	1	1	1	4	7
Certificates	II	I	I	2(I); 2(II); 1(K-P)	4(I); 3(II); 1(K-P)
Regular Salaries	$600.00	$600.00	$600.00	$5,200.00	$7,000.00
*Pupils:					
Total Enrolment	28	17	5	181	231
Boys	14	7	3	103	127
Girls	14	10	2	78	104
Average Attendance	13	14	4	151	182

*School Year, 1938-39.

THE ROMAN CATHOLIC SEPARATE SCHOOLS

TABLE 18—AGE-GRADE DISTRIBUTION, MAY, 1939

(A) ALL SCHOOLS

		Under 5 yrs.	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 yrs	17 yrs	18 yrs	19 yrs and over	Totals	Totals by Grade	Per-cent of Total Enrolment	Average Age		Average Increment of Age Between Grades		
																					By Sex	Average		By Sex	Average
GRADE I...	Boys	....	151	2966	3834	1556	463	162	72	28	25	6	1	2	...	...	....	9266	17489	16.7	7.55	7.46			
	Girls	5	153	2911	3597	1114	287	84	38	22	8	3	1	....	...	...	....	8223			7.38				
GRADE II..	Boys	....	.....	66	1660	3035	1667	639	251	116	37	20	3	1	...	...	....	7495	14218	13.6	8.86	8.72	Grade I to Grade II	1.31	1.26
	Girls	....	1	84	2025	2913	1089	396	140	43	20	7	5	....	...	...	....	6723			8.57			1.19	
GRADE III.	Boys	....	.....	1	90	1335	2311	1492	709	325	157	65	95	2	2	...	....	6584	12558	12.0	10.09	9.89	Grade II to Grade III	1.23	1.17
	Girls	....	.....	3	153	1691	2247	1177	428	157	86	21	8	2	1	...	....	5974			9.67			1.10	
GRADE IV.	Boys	....	.....	.....	6	287	1166	1623	1130	722	344	159	59	4	...	...	....	5500	10779	10.3	11.01	10.84	Grade III to Grade IV	.92	.95
	Girls	....	.....	.....	11	371	1399	1696	984	520	200	76	18	3	...	1	....	5279			10.66			.99	
GRADE V..	Boys	....	.....	.....	.....	21	465	1349	1671	1183	751	392	132	34	5	...	....	6003	11665	11.2	11.87	11.69	Grade IV to Grade V	.86	.85
	Girls	....	.....	.....	.....	32	655	1611	1562	983	549	185	65	13	7	...	....	5662			11.50			.84	
GRADE VI.	Boys	....	.....	.....	.....	1	39	555	1420	1517	1140	696	347	80	9	1	....	5805	11657	11.2	12.72	12.56	Grade V to Grade VI	.85	.87
	Girls	....	.....	.....	.....	.....	53	739	1732	1602	1017	466	201	41	1	...	....	5852			12.39			.89	
GRADE VII	Boys	....	.....	.....	.....	.....	1	45	586	1371	1496	1132	647	194	42	4	....	5518	11074	10.6	13.59	13.43	Grade VI to Grade VII	.87	.87
	Girls	....	.....	.....	.....	.....	3	69	788	1672	1504	970	440	95	13	2	....	5556			13.27			.88	
GRADE VIII	Boys	....	.....	.....	.....	.....	.....		40	533	1316	1288	981	385	71	7	1	4622	9519	9.1	14.39	14.27	Grade VII to Grade VIII	.80	.84
	Girls	....	.....	.....	.....	.....	.....	1	81	700	1503	1468	835	264	39	6	....	4897			14.16			.89	
GRADE IX.	Boys	....	.....	.....	.....	.....	.....	.....	1	31	190	386	316	146	54	13	1	1138	2726	2.6	15.00	14.92	Grade VIII to Grade IX	.61	.65
	Girls	....	.....	.....	.....	.....	.....	.....	4	33	298	592	421	187	45	8	....	1588			14.87			.71	
GRADE X..	Boys	....	.....	.....	.....	.....	.....	.....	.....	4	43	152	278	209	100	27	7	820	2034	1.9	15.82	15.79	Grade IX to Grade X	.82	.87
	Girls	....	.....	.....	.....	.....	.....	.....	.....	4	47	282	404	297	137	40	3	1214			15.76			.89	
Jr. Auxiliary Classes....	Boys	....	.....	.....	3	14	23	47	50	72	84	95	80	40	8	1	....	517	747	.8	13.34	13.34	....	.....	.....
	Girls	....	.....	.....	4	4	12	14	30	34	31	39	36	21	4	1	...	230			13.35		....	.....	.....
TOTALS BY SEXES....	Boys	....	151	3033	5593	6249	6135	5912	5930	5902	5583	4391	2939	1097	291	53	9	53268	......	......	......	......	Average.......	.92	.93
	Girls	5	154	2998	5790	6125	5745	5787	5787	5770	5263	4109	2434	923	247	58	3	51198	......	......	......	......		.93	
Grand Totals	.....	5	305	6031	11383	12374	11880	11699	11717	11672	10846	8500	5373	2020	538	111	12	104466							

Heavy lines denote ideal age apread for each grade.

(B) URBAN SCHOOLS

		Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
GRADE I	Boys	......	89	2,308	2,915	1,084	272	91	30	12	9	1	1	......	......	......	......	6,812	12,971
	Girls	......	91	2,336	2,712	775	173	44	16	7	4	1	......	......	......	......	......	6,159	
GRADE II	Boys	......	......	50	1,314	2,369	1,235	432	170	65	21	8	2	1	......	......	......	5,667	10,834
	Girls	......	......	61	1,640	2,233	815	276	95	24	14	4	5	......	......	......	......	5,167	
GRADE III	Boys	......	......	1	77	1,078	1,782	1,091	504	218	93	43	88	2	......	......	......	4,977	9,625
	Girls	......	......	2	111	1,368	1,800	878	308	98	58	17	5	2	1	......	......	4,648	
GRADE IV	Boys	......	......	......	5	234	943	1,193	746	505	240	113	48	4	......	......	......	4,031	8,020
	Girls	......	......	......	8	295	1097	1,282	713	384	140	51	15	3	......	1	......	3,989	
GRADE V	Boys	......	......	......	......	16	412	1,091	1,291	842	532	286	108	27	4	......	......	4,609	8,984
	Girls	......	......	......	......	23	543	1,263	1,194	735	411	133	58	10	5	......	......	4,375	
GRADE VI	Boys	......	......	......	......	1	36	471	1,121	1,214	864	540	287	69	9	1	......	4,613	9,219
	Girls	......	......	......	......	......	44	618	1,385	1,236	770	350	164	38	1	......	......	4,606	
GRADE VII	Boys	......	......	......	......	......	1	35	500	1,115	1,212	911	558	172	38	4	......	4,546	9,084
	Girls	......	......	......	......	......	2	57	676	1,332	1,181	815	376	84	13	2	......	4,538	
GRADE VIII	Boys	......	......	......	......	......	......	......	33	443	1,089	1,063	784	324	61	5	1	3,803	7,670
	Girls	......	......	......	......	......	......	......	51	543	1,179	1,182	663	221	26	2	......	3,867	
GRADE IX	Boys	......	......	......	......	......	......	......	......	24	158	309	261	118	43	12	1	926	2,208
	Girls	......	......	......	......	......	......	......	1	20	226	484	349	154	40	8	......	1,282	
GRADE X	Boys	......	......	......	......	......	......	......	......	1	30	128	245	177	85	21	6	693	1,624
	Girls	......	......	......	......	......	......	......	......	2	29	201	323	233	112	30	1	931	
JR. AUXILIARY CLASSES	Boys	......	......	......	3	14	23	47	49	72	84	95	80	40	8	1	......	516	746
	Girls	......	......	......	4	4	12	14	30	34	31	39	36	21	4	1	......	230	
TOTALS BY SEXES	Boys	......	89	2,359	4,314	4,796	4,704	4,451	4,444	4,511	4,332	3,497	2,462	934	248	44	8	41,193	....
	Girls	......	91	2,399	4,475	4,698	4,486	4,432	4,469	4,415	4,043	3,277	1,994	766	202	44	1	39,792	....
GRAND TOTALS		......	180	4,758	8,789	9,494	9,190	8,883	8,913	8,926	8.375	6,774	4,456	1,700	450	88	9	....	80,985

(C) RURAL SCHOOLS

		Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
GRADE I	Boys	......	62	658	919	472	191	71	42	16	16	5	......	2	......	......	......	2,454	4,518
	Girls	5	62	575	885	339	114	40	22	15	4	2	1	......	......	......	......	2,064	
GRADE II	Boys	......	......	16	346	666	432	207	81	51	16	12	1	......	......	......	......	1,828	3,384
	Girls	......	1	23	385	680	274	120	45	19	6	3	......	......	......	......	......	1,556	
GRADE III	Boys	......	......	......	13	257	529	401	205	107	64	22	7	......	2	......	......	1,607	2,933
	Girls	......	......	1	42	323	447	299	120	59	28	4	3	......	......	......	......	1,326	
GRADE IV	Boys	......	......	......	1	53	223	430	384	217	104	46	11	......	......	......	......	1,469	2,759
	Girls	......	......	......	3	76	302	414	271	136	60	25	3	......	......	......	......	1,290	
GRADE V	Boys	......	......	......	......	5	53	258	380	341	219	106	24	7	1	......	......	1,394	2,681
	Girls	......	......	......	......	9	112	348	368	248	138	52	7	3	2	......	......	1,287	
GRADE VI	Boys	......	......	......	......	......	3	84	299	303	276	156	60	11	......	......	......	1,192	2,438
	Girls	......	......	......	......	......	9	121	347	366	247	116	37	3	......	......	......	1,246	
GRADE VII	Boys	......	......	......	......	......	......	10	86	256	284	221	89	22	4	......	......	972	1,990
	Girls	......	......	......	......	......	1	12	112	340	323	155	64	11	......	......	......	1,018	
GRADE VIII	Boys	......	......	......	......	......	......	......	7	90	227	225	197	61	10	2	......	819	1,849
	Girls	......	......	......	......	......	......	1	30	157	324	286	172	43	13	4	......	1,030	
GRADE IX	Boys	......	......	......	......	......	......	......	1	7	32	77	55	28	11	1	......	212	518
	Girls	......	......	......	......	......	......	......	3	13	72	108	72	33	5	......	......	306	
GRADE X	Boys	......	......	......	......	......	......	......	......	3	13	24	33	32	15	6	1	127	410
	Girls	......	......	......	......	......	......	......	......	2	18	81	81	64	25	10	2	283	
JR. AUXILIARY CLASSES	Boys	......	......	......	......	......	......	......	1	......	......	......	......	......	......	......	......	1	1
	Girls	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	....	
TOTALS BY SEXES	Boys	......	62	674	1,279	1,453	1,431	1,461	1,486	1,391	1.251	894	477	163	43	9	1	12,705	....
	Girls	5	63	599	1,315	1,427	1,259	1,355	1,318	1,355	1,220	832	440	157	45	14	2	11,406	....
GRAND TOTALS		5	125	1,273	2,594	2,880	2,690	2,816	2,804	2,746	2,471	1,726	917	320	88	23	3	....	23,481

TABLE 19—NUMBER OF PUPILS IN REGULAR GRADES

Under Age, Normal Age, Over Age, May, 1939

(a) All Schools

Grade	Under Age					Normal Age	Over Age						
	4 years	3 years	2 years	1 year	Total Under Age		Total Over Age	1 year	2 years	3 years	4 years	5 years	Over 5 years
I.......	......	......	5	304	309	15,978	1,202	750	246	110	50	33	13
II.......	......	......	1	150	151	12,389	1,678	1,035	391	159	57	27	9
III.....	......	......	4	243	247	10,253	2,058	1,137	482	243	86	103	7
IV.....	......	......	17	658	675	7,998	2,106	1,242	544	235	77	7	1
V.......	......	......	53	1,120	1,173	8,359	2,133	1,300	577	197	47	12	......
VI.....	......	1	92	1,294	1,387	8,428	1,842	1,162	548	121	10	1	......
VII....	......	4	114	1,374	1,492	8,145	1,437	1,087	289	55	6	......	......
VIII....	......	1	121	1,233	1,355	7,391	773	649	110	13	1	......	......
Totals..	......	6	407	6,376	6,789	78,941	13,229	8,362	3,187	1,133	334	183	30

(b) Urban Schools

Grade	Under Age					Normal Age	Over Age						
	4 years	3 years	2 years	1 year	Total Under Age		Total Over Age	1 year	2 years	3 years	4 years	5 years	Over 5 years
I.......	......	......	......	180	180	12,130	661	445	135	46	19	13	3
II.......	......	......	......	111	111	9,606	1,117	708	265	89	35	12	8
III.....	......	......	3	188	191	7,997	1,437	812	316	151	60	93	5
IV.....	......	......	13	529	542	5,974	1,504	889	380	164	63	7	1
V.......	......	......	39	955	994	6,416	1,574	943	419	166	37	9	......
VI.....	......	1	80	1,089	1,170	6,590	1,459	890	451	107	10	1	......
VII....	......	3	92	1,176	1,271	6,566	1,247	934	256	51	6	......	......
VIII....	......	......	84	986	1,070	5,960	640	545	87	7	1	......	......
Totals..	......	4	311	5,214	5,529	61,239	9,639	6,166	2,309	781	231	135	17

(c) Rural Schools

Grade	Under Age					Normal Age	Over Age						
	4 years	3 years	2 years	1 year	Total Under Age		Total Over Age	1 year	2 years	3 years	4 years	5 years	Over 5 years
I.......	......	......	5	124	129	3,848	541	305	111	64	31	20	10
II.......	......	......	1	39	40	2,783	561	327	126	70	22	15	1
III.....	......	......	1	55	56	2,256	621	325	166	92	26	10	2
IV.....	......	......	4	129	133	2,024	602	353	164	71	14	......	......
V.......	......	......	14	165	179	1,943	559	357	158	31	10	3	......
VI.....	......	......	12	205	217	1,838	383	272	97	14	......	......	......
VII....	......	1	22	198	221	1,579	190	153	33	4	......	......	......
VIII....	......	1	37	247	285	1,431	133	104	23	6	......	......	......
Totals..	......	2	96	1,162	1,260	17,702	3,590	2,196	878	352	103	48	13

TABLE 20—PERCENTAGE OF PUPILS IN REGULAR GRADES

Under Age, Normal Age, Over Age, May, 1939

(a) All Schools

Grade	Under Age					Normal Age	Over Age						
	4 years	3 years	2 years	1 year	Total Under Age		Total Over Age	1 year	2 years	3 years	4 years	5 years	Over 5 years
I.......	......	......	.03	1.74	1.77	91.36	6.87	4.29	1.41	.63	.29	.19	.06
II......	......	......	.01	1.05	1.06	87.14	11.80	7.28	2.75	1.12	.40	.19	.06
III.....	......	......	.03	1.94	1.97	81.64	16.39	9.05	3.84	1.94	.68	.82	.06
IV.....	......	......	.16	6.10	6.26	74.20	19.54	11.52	5.05	2.18	.71	.07	.01
V......	......	......	.43	9.60	10.03	71.66	18.31	11.14	4.95	1.69	.40	.13	......
VI.....	......	.01	.79	11.10	11.90	72.30	15.80	9.97	4.70	1.04	.08	.01	......
VII....	......	.02	1.03	12.41	13.47	73.55	12.98	9.82	2.61	.50	.05	......	......
VIII....	......	.02	1.27	12.95	14.24	77.64	8.12	6.82	1.15	.14	.01	......	......
Average	......	.01	.41	6.44	6.86	79.77	13.37	8.45	3.22	1.14	.34	.18	.04

(b) Urban Schools

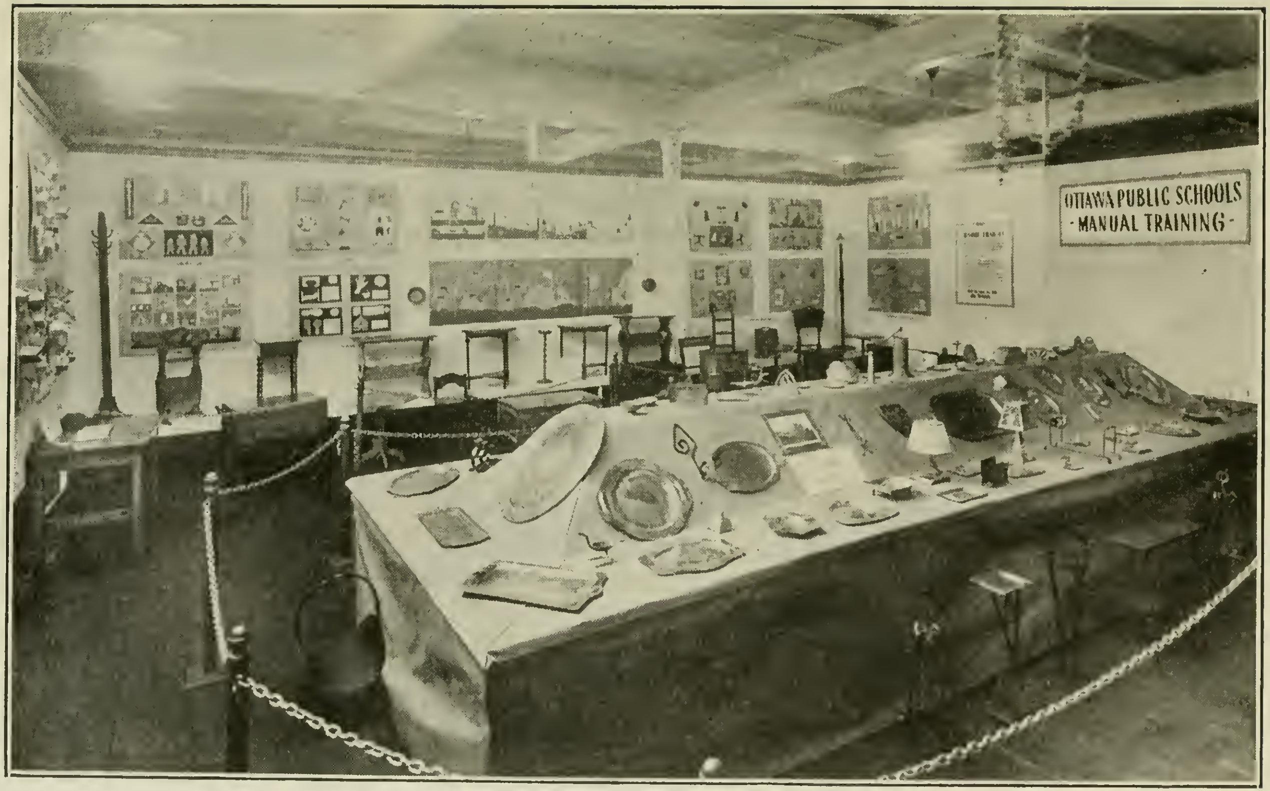
Grade	Under Age					Normal Age	Over Age						
	4 years	3 years	2 years	1 year	Total Under Age		Total Over Age	1 year	2 years	3 years	4 years	5 years	Over 5 years
I.......	......	......	......	1.39	1.39	93.52	5.09	3.43	1.04	.35	.15	.10	.02
II......	......	......	......	1.03	1.03	88.66	10.31	6.53	2.45	.82	.32	.11	.08
III.....	......	......	.03	1.95	1.98	83.09	14.93	8.44	3.28	1.57	.62	.97	.05
IV.....	......	......	.16	6.60	6.76	74.49	18.75	11.08	4.74	2.04	.78	.09	.02
V......	......	......	.43	10.63	11.06	71.42	17.52	10.50	4.66	1.85	.41	.10	......
VI.....	......	.01	.87	11.81	12.69	71.48	15.83	9.65	4.89	1.17	.11	.01	......
VII....	......	.04	1.01	12.94	13.99	72.28	13.73	10.28	2.82	.56	.07	......	......
VIII....	......	......	1.10	12.86	13.96	77.70	8.34	7.11	1.13	.09	.01	......	......
Average	......	.01	.41	6.82	7.24	80.15	12.61	8.07	3.02	1.02	.30	.17	.03

(c) Rural Schools

Grade	Under Age					Normal Age	Over Age						
	4 years	3 years	2 years	1 year	Total Under Age		Total Over Age	1 year	2 years	3 years	4 years	5 years	Over 5 years
I.......	......	......	.12	2.74	2.86	85.17	11.97	6.75	2.46	1.42	.69	.44	.21
II......	......	......	.02	1.16	1.18	82.24	16.58	9.66	3.72	2.07	.65	.44	.04
III.....	......	......	.03	1.88	1.91	76.92	21.17	11.08	5.65	3.14	.89	.34	.07
IV.....	......	......	.14	4.68	4.82	73.36	21.82	12.79	5.94	2.57	.52	......	......
V......	......	......	.53	6.15	6.68	72.47	20.85	13.31	5.89	1.16	.37	.12	......
VI.....	......	......	.49	8.41	8.90	75.39	15.71	11.16	3.98	.57	......	......	......
VII....	......	.04	1.11	9.95	11.10	79.35	9.55	7.69	1.66	.20	......	......	......
VIII....	......	.04	2.01	13.36	15.41	77.39	7.20	5.62	1.24	.34	......	......	......
Average	......	.01	.43	5.15	5.59	78.49	15.92	9.74	3.89	1.56	.46	.21	.06

TABLE 21—TEACHERS' SALARIES, 1938-39

Rural Schools	Male				Female			
	No. of Teachers	Highest	Lowest	Average	No. of Teachers	Highest	Lowest	Average
In Counties		$	$	$		$	$	$
Addington	....	....	....	....	2	800	600	700
Bruce	2	725	700	713	13	1,000	650	775
Carleton	4	1,000	650	850	41	1,000	300	680
Dundas	....	....	....	....	1	700	700	700
Essex	3	850	450	700	53	1,083	425	775
Frontenac	1	950	950	950	9	800	550	644
Glengarry	3	900	700	783	24	1,600	600	880
Grey	1	487	487	487	7	1,000	500	650
Hastings	1	800	800	800	6	1,050	600	683
Huron	....	....	....	....	10	1,200	500	790
Kent	4	1,050	650	920	11	900	650	748
Lambton	....	....	....	....	2	600	600	600
Lanark	....	....	....	....	3	700	600	633
Leeds	....	....	....	....	2	600	500	550
Lennox	....	....	....	....	1	600	600	600
Middlesex	....	....	....	....	4	600	500	550
Norfolk	....	....	....	....	3	750	600	667
Northumberland	....	....	....	....	5	650	500	540
Ontario	1	750	750	750	1	620	620	620
Peel	....	....	....	....	1	675	675	675
Perth	....	....	....	....	16	1,300	450	878
Peterborough	1	650	650	650	4	650	500	587
Prescott	10	1,250	600	825	72	1,000	350	626
Renfrew	2	750	640	695	26	1,000	500	771
Russell	14	950	600	692	63	1,000	200	612
Simcoe	1	900	900	900	8	900	700	750
Stormont	1	775	775	775	18	1,450	600	832
Victoria	....	....	....	....	3	750	600	667
Waterloo	....	....	....	....	14	800	550	684
Wellington	1	550	550	550	6	800	550	683
Wentworth	....	....	....	....	3	800	500	600
York	2	1,475	1,425	1,450	51	1,140	500	954
Totals and Averages	52	1,475	450	789	483	1,450	200	733
In Districts								
Algoma	4	1,500	700	1,025	11	1,000	700	927
Cochrane	27	1,400	600	810	67	1,100	600	780
Kenora	....	....	....	....	1	1,000	1,000	1,000
Manitoulin	1	950	950	950	1	825	825	825
Muskoka	2	850	600	725	....	....	....	....
Nipissing	12	850	650	739	47	1,100	600	768
Rainy River	2	900	800	850	....	....	....	....
Sudbury	20	1,200	600	865	37	1,400	600	885
Timiskaming	8	1,250	750	1,015	39	1,550	600	967
Thunder Bay	....	....	....	....	2	800	800	800
Totals and Averages	76	1,250	600	857	205	1,550	600	842
All Rural Schools	128	1,475	450	829	688	1,550	200	766
Cities	160	2,500	600	943	1,316	1,275	400	725
Towns	50	1,500	600	979	626	1,800	300	750
Villages	4	1,000	625	831	61	1,450	550	840
All Urban Schools	214	2,500	600	949	2,003	1,800	300	736
For the Province	342	2,500	450	904	2,691	1,800	200	744
Increase for the year	29	125	....	29	87	200	....	9
Decrease for the year	....	....	37	....	....	....	....	....


OTTAWA PUBLIC SCHOOLS
-MANUAL TRAINING-

The Manual Training Exhibit of the Ottawa Public Schools at the Canadian National Exhibition, 1939.

TABLE 22—FINANCIAL

Rural Schools	Assessment per Classroom A	No. of Classrooms	A.D.A. for the Calendar Year B	A.D.A. Per Classroom	Major Sources of Receipts		
					School District Levy C	County Grant	Legislative Grant
In Counties	$				$	$	$
1 Middlesex	167,500	4	57	14	2,988	70	473
2 Kent	136,202	15	391	26	14,589	566	3,515
3 Norfolk	133,392	3	63	21	2,945	226	828
4 Peel	128,918	1	4	4	627	....	136
5 Lambton	128,681	2	31	16	1,424	43	418
6 Huron	126,300	10	169	17	5,444	868	2,654
7 Wellington	122,905	7	117	17	3,338	253	1,353
8 Victoria	122,627	3	54	18	2,029	145	634
9 Bruce	119,553	15	447	30	11,340	1,080	5,035
10 Essex	112,775	55	1,477	27	39,150	4,382	21,551
11 Perth	107,032	16	280	17	9,720	1,235	6,025
12 Waterloo	102,392	14	399	28	9,320	1,211	4,699
13 Peterborough	95,051	5	80	16	3,170	182	1,032
14 Ontario	93,441	2	54	27	880	133	581
15 Simcoe	90,496	9	255	28	6,889	528	3,255
16 Frontenac	75,366	10	133	13	5,540	386	2,476
17 Prescott	68,574	81	1,935	24	43,162	1,565	21,476
18 Grey	65,651	8	88	11	3,868	302	1,726
19 Russell	64,279	77	2,073	27	39,774	1,314	20,318
20 Hastings	63,560	7	155	22	3,599	152	2,325
21 Lanark	62,015	3	41	14	1,491	44	782
22 Addington	59,579	2	47	24	1,200	294	699
23 Northumberland	56,778	5	60	12	2,330	150	1,317
24 Renfrew	51,485	28	557	20	10,495	2,615	15,028
25 Carleton	51,301	45	1,289	29	26,701	1,309	17,567
26 York	44,976	53	1,823	34	28,981	892	45,654
27 Stormont	43,204	19	500	26	7,286	737	6,632
28 Dundas	42,425	1	24	24	557	....	325
29 Glengarry	39,703	27	574	21	11,044	1,096	11,699
30 Lennox	25,690	1	9	9	229	49	369
31 Wentworth	23,492	3	89	45	259	138	1,561
32 Leeds	22,716	2	18	9	463	10	602
Totals and Averages	74,367	533	13,293	25	300,832	20,975	202,745
In Districts						N	
1 Manitoulin	36,507	2	67	34	975	....	575
2 Timiskaming	31,658	47	1,167	25	61,456	....	44,668
3 Rainy River	22,372	2	42	21	450	....	1,591
4 Thunder Bay	21,220	4	54	14	1,247	....	1,019
5 Kenora	20,000	1	25	25	400	....	1,040
6 Cochrane	17,209	72	2,283	32	44,472	....	80,695
7 Sudbury	17,084	60	1,102	18	29,244	....	51,238
8 Muskoka	16,500	2	55	27	257	....	1,474
9 Parry Sound	15,075	1	20	20	207	....	645
10 Nipissing	13,352	59	1,506	26	22,065	....	45,258
11 Algoma	9,345	15	394	26	3,125	....	23,134
Totals and Averages	18,681	265	6,715	25	163,898	....	251,337
Totals and Averages, All Rural	55,875	798	20,008	25	464,730	20,975	454,082

N In the case of the Districts the Province pays the equivalent of the County Grant. This is included in the Legislative Grant figure.

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	Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness		Other Indebtedness	
	Current[E]	Capital[F]	Current	Capital	Total	Amount	Per $1,000 of Assessment	Amount	Per $1,000 of Assessment
	$	$				$	$ c.	$	$ c.
1	3,697	....	35.4	....	35.4	....	....	....	....
2	17,433	2,798	24.5	3.9	28.4	34,035	16.66	1,911	.94
3	4,063	....	21.9	....	21.9	6,000	14.99	4,000	10.00
4	878	....	11.9	....	11.9	....	....	....	....
5	1,758	....	29.7	....	29.7	....	....	....	....
6	11,824	....	36.0	....	36.0	....	....	1,200	.95
7	5,782	....	25.1	....	25.1	....	....	....	....
8	2,819	....	27.6	....	27.6	....	....	50	.14
9	15,512	736	19.6	.9	20.5	398	.22	570	.32
10	65,370	2,913	23.3	1.0	24.3	67,104	10.82	14,668	2.36
11	19,665	1,582	36.7	3.0	39.7	11,638	6.80	6,375	3.72
12	13,918	....	18.5	....	18.5	....	....	435	.30
13	4,398	....	29.0	....	29.0	....	....	....	....
14	2,182	....	21.2	....	21.2	....	....	....	....
15	9,901	2,119	20.3	4.3	24.6	1,756	2,16	3,345	4.11
16	8,566	....	36.0	....	36.0	....	....	165	.22
17	62,710	1,415	17.1	.3	17.4	10,736	1.93	4,346	.79
18	6,043	....	36.2	....	36.2	....	....	....	....
19	58,884	2,307	14.7	.6	15.3	3,855	.78	6,800	1.37
20	6,128	....	16.7	....	16.7	....	....	....	....
21	2,233	....	28.5	....	28.5	....	....	....	....
22	1,900	....	21.3	....	21.3	....	....	....	....
23	3,991	....	34.7	....	34.7	....	....	....	....
24	27,281	1,920	26.0	1.8	27.8	11,754	8.15	11,158	7.74
25	40,600	4,591	16.4	1.9	18.3	24,814	10.75	6,759	2.93
26	84,562	39,645	25.8	12.1	37.9	G	....	9,586	4.02
27	20,000	1,247	21.0	1.3	22.3	7,301	8.90	....	....
28	772	....	16.7	....	16.7	....	....	....	....
29	24,778	1,819	25.7	1.9	27.6	5,519	5.15	6,183	5.77
30	713	....	39.5	....	39.5	....	....	....	....
31	1,999	....	11.4	....	11.4	....	....	....	....
32	1,147	....	25.3	....	25.3	....	....	....	....
	531,507	63,092	21.2	2.5	23.7	184,910	4.66	77,551	1.96
1	4,141	....	33.0	....	33.0	....	....	700	9.59
2	68,553	9,813	28.6	4.1	32.7	155,466	104.48	2,632	1.77
3	2,092	124	27.5	1.6	29.1	247	5.52	....	....
4	2,270	166	22.0	1.6	23.6	334	3.94	531	6.26
5	1,197	209	24.4	4.2	28.6	1,457	72.85	....	....
6	101,037	8,320	23.2	1.9	25.1	33,042	26.67	41,990	33.89
7	68,168	15,160	24.4	5.4	29.8	17,559	17.14	21,107	20.59
8	1,815	....	45.9	....	45.9	....	....	....	....
9	707	....	19.6	....	19.6	....	....	....	....
10	56,115	12,430	22.7	5.0	27.7	18,762	23.81	13,902	17.64
11	19,198	H	25.7	H	....	65,610	468.16	3,350	23.90
	325,293	46,222	24.6	3.5	28.1	292,477	59.08	84,212	17.01
	856,800	109,314	22.4	2.9	25.3	477,387	10.70	161,763	3.63

TABLE 22—FINANCIAL

Cities	Counties	Assessment per Classroom A	No. of Classrooms	A.D.A. for the Calendar Year B	A.D.A. per Classroom	Major Sources of Receipts		
						School District Levy c	County Grant	Legislative Grant
		$				$	$	$
1 Toronto	York	165,708	288	10,938	38	563,350	....	36,191
2 Niagara Falls	Welland	159,390	11	434	39	18,064	....	1,554
3 St. Catharines	Lincoln	135,900	21	725	35	27,996	....	2,478
4 London	Middlesex	132,648	46	1,480	32	55,166	....	4,369
5 Chatham	Kent	125,173	14	544	39	13,379	....	1,372
6 St. Thomas	Elgin	122,831	8	234	29	7,012	....	564
7 Hamilton	Wentworth	116,930	117	4,321	37	154,581	....	12,787
8 Owen Sound	Grey	110,798	4	143	36	5,157	....	515
9 Kitchener	Waterloo	109,977	48	1,713	36	59,867	....	7,130
10 Oshawa	Ontario	99,961	13	446	34	10,086	....	1,218
11 Belleville	Hastings	98,912	12	425	35	12,485	....	1,836
12 Kingston	Frontenac	97,289	25	811	32	26,712	....	3,071
13 Guelph	Wellington	95,404	21	840	40	24,512	....	3,498
14 Sarnia	Lambton	93,580	15	481	32	16,868	....	1,621
15 Stratford	Perth	84,614	13	389	30	16,120	....	1,267
16 Brantford	Brant	84,209	18	657	37	22,386	....	2,691
17 Ottawa	Carleton	82,785	338	12,262	36	408,784	....	87,396
18 Windsor	Essex	82,530	181	6,541	36	151,604	....	33,615
19 Peterborough	Peterborough	82,286	31	924	30	28,688	....	3,959
20 Woodstock	Oxford	80,945	4	148	37	3,586	....	524
21 Galt	Waterloo	72,307	6	230	38	5,868	....	946
Totals and Averages		111,896	1,234	44,686	36	1,632,271	....	208,602
	In Districts							
1 Fort William	Thunder Bay	134,715	28	1,118	40	36,254	....	3,153
2 Port Arthur	Thunder Bay	103,765	19	642	34	22,579	....	1,694
3 Sudbury	Sudbury	74,640	60	2,001	34	123,130	....	13,084
4 Sault Ste. Marie	Algoma	63,004	32	1,107	35	56,601	....	5,906
5 North Bay	Nipissing	61,125	36	1,386	38	42,049	....	6,697
Totals and Averages		78,867	175	6,254	36	280,613	....	30,534
Totals and Averages,	All Cities	108,417	1,409	50,940	36	1,912,884	....	239,136
Towns	*In Counties*							
1 Oakville	Halton	200,525	1	40	40	1,532	....	145
2 Barrie	Simcoe	178,884	3	101	34	4,382	....	257
3 Collingwood	Simcoe	168,253	1	36	36	1,727	....	74
4 Lindsay	Victoria	120,377	6	171	28	5,683	....	720
5 Mount Forest	Wellington	119,616	2	40	20	1,347	....	168
6 Dundas	Wentworth	117,508	3	107	36	3,225	....	340
7 Orillia	Simcoe	112,614	5	154	31	4,937	....	557
8 Picton	Prince Edward	110,645	2	44	22	1,409	....	116
9 Hespeler	Waterloo	105,441	1	35	35	1,185	....	105
10 Seaforth	Huron	99,884	2	49	25	1,436	....	422
11 Waterloo	Waterloo	98,279	11	417	38	12,607	....	1,882
12 Parkhill	Middlesex	94,000	1	21	21	602	......	149
13 Campbellford	Northumberland	88,749	2	62	31	1,735	....	304
14 St. Mary's	Perth	88,250	2	46	23	1,758	....	212
15 Prescott	Grenville	87,185	4	93	23	3,929	....	409
16 Whitby	Ontario	86,532	2	36	18	1,779	....	213
17 Brockville	Leeds	85,040	8	220	27	7,060	....	980
18 Mimico	York	82,681	7	239	34	8,766	....	1,540
19 Preston	Waterloo	82,300	8	298	37	8,880	....	1,429
20 Renfrew	Renfrew	80,800	15	537	36	19,040	....	2,080
21 Leamington	Essex	77,311	3	94	31	2,204	....	324
22 Trenton	Hastings	77,285	6	197	33	5,322	....	1,116
23 Smith's Falls	Lanark	75,616	6	155	26	4,243	....	537
24 Ingersoll	Oxford	74,887	3	82	27	2,733	....	453
25 Newmarket	York	74,499	2	44	22	2,428	....	270
26 Paris	Brant	73,702	2	48	24	1,045	....	280
27 Gananoque	Leeds	71,063	4	126	31	2,422	....	578

STATISTICS, 1938

	Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness		Other Indebtedness	
	Current E	Capital F	Current	Capital	Total	Amount	Per $1,000 of Assessment	Amount	Per $1,000 of Assessment
	$	$				$	$ c.	$	$ c.
1	439,047	162,089	24.1	8.9	33.0	J 466,861	....	43,600	.91
2	16,548	....	19.8	....	19.8	....	....	7,000	3.99
3	32,936	....	24.0	....	24.0	....	....	....	....
4	49,137	16,198	17.5	5.8	23.3	K 132,605	21.73	5,583	.91
5	12,132	2,100	11.7	2.0	13.7	24,000	13.70	5,000	2.85
6	8,068	....	17.9	....	17.9	....	....	1,500	1.53
7	130,096	52,633	15.8	6.4	22.2	355,024	25.95	35,563	2.60
8	4,145	900	15.3	3.3	18.6	7,100	16.02	....	....
9	56,098	....	17.2	....	17.2	....	....	115,079	20.48
10	10,755	....	12.6	....	12.6	....	....	....	....
11	11,230	2,879	15.3	3.9	19.2	4,400	3.71	....	....
12	29,383	....	19.1	....	19.1	....	....	....	....
13	22,531	4,375	14.0	2.7	16.7	36,793	18.37	7,200	3.59
14	13,990	3,347	15.0	3.6	18.6	40,166	28.61	1,000	.71
15	12,560	5,288	16.8	7.1	23.9	40,000	36.36	3,500	3.18
16	17,907	8,704	14.4	7.0	21.4	78,572	51.84	....	....
17	386,476	97,792	20.5	5.2	25.7	1,714,897	61.29	345,981	12.36
18	191,576	D	15.3	....	....	2,830,274	189.47	68,508	4.59
19	29,928	....	17.0	....	17.0	....	....	1,541	.60
20	4,233	....	15.0	....	15.0	....	....	....	....
21	5,892	1,674	13.5	3.8	17.3	20,082	46.29	2,100	4.84
	1,484,668	358,879	19.0	5.5	24.5	5,750,774	41.65	643,155	4.66
1	33,380	11,243	15.7	5.3	21.0	60,248	15.97	....	....
2	22,354	5,013	18.2	4.1	22.3	27,685	14.04	6,200	3.14
3	79,388	74,383	20.0	18.7	38.7	296,832	66.28	477	.11
4	37,717	6,935	17.9	3.3	21.2	16,592	12.03	....	....
5	37,733	10,846	14.5	4.2	18.7	95,099	43.22	....	....
	210,572	108,420	17.5	9.0	27.5	496,456	35.97	6,677	.48
	1,695,240	467,299	18.9	6.0	24.9	6,247,230	41.13	649,832	4.30
1	1,881	....	24.5	....	24.5	....	....	800	3.99
2	3,341	280	17.4	1.5	18.9	6,370	11.86	....	....
3	1,939	....	28.4	....	28.4	....	....	....	....
4	7,299	....	22.5	....	22.5	....	....	7,627	10.56
5	1,664	....	21.7	....	21.7	....	....	200	.83
6	2,309	....	11.4	....	11.4	....	....	7,100	20.14
7	5,346	....	18.0	....	18.0	....	....	....	....
8	1,499	184	18.2	2.2	20.4	....	....	2,316	10.46
9	1,242	....	18.8	....	18.8	....	....	100	.94
10	2,745	....	28.7	....	28.7	....	....	....	....
11	12,414	4,359	15.9	5.6	21.5	69,743	64.48	....	....
12	791	....	20.0	....	20.0	....	....	....	....
13	2,093	....	17.7	....	17.7	....	....	....	....
14	2,002	....	23.1	....	23.1	....	....	....	....
15	4,463	....	25.5	....	25.5	....	....	....	....
16	2,125	....	30.9	....	30.9	....	....	....	....
17	9,851	837	21.1	1.8	22.9	6,694	9.84	....	....
18	9,442	6,001	20.5	13.0	33.5	....	....	53,800	92.95
19	9,975	....	17.6	....	17.6	....	....	....	....
20	12,871	8,915	12.6	8.7	21.3	92,114	76.00	18	....
21	2,178	....	12.2	....	12.2	....	....	....	....
22	6,568	4,816	17.5	12.8	30.3	81,879	176.58	7,930	17.10
23	4,900	2,408	16.8	8.2	25.0	14,449	31.85	....	....
24	4,469	....	28.8	....	28.8	....	....	....	....
25	2,376	....	28.1	....	28.1	....	....	2,400	16.00
26	2,377	....	25.4	....	25.4	....	....	....	....
27	3,957	2,408	16.6	10.0	26.6	....	....	26,680	93.94

TABLE 22—FINANCIAL

Towns	Counties	Assessment per Class-room A	No. of Class-rooms	A.D.A. for the Calendar Year B	A.D.A. per Class-room	Major Sources of Receipts		
						School District Levy c	County Grant	Legislative Grant
		$				$	$	$
28 Amherstburg	Essex	71,008	10	303	30	9,044	800	1,132
29 Cobourg	Northumberland	70,660	5	170	34	4,260	....	990
30 Goderich	Huron	68,814	2	57	28	1,356	....	224
31 Tilbury	Kent	66,983	8	233	29	4,707	....	2,111
32 Blenheim	Kent	61,670	1	28	28	600	....	252
33 Thorold	Welland	61,193	8	327	41	7,494	....	1,668
34 Cornwall	Stormont	58,930	58	2,536	44	46,410	....	12,461
35 Perth	Lanark	58,866	5	148	30	4,160	....	878
36 Merritton	Lincoln	59,605	2	62	31	1,711	....	402
37 Hanover	Grey	55,196	2	71	35	2,664	....	456
38 Arnprior	Renfrew	54,234	11	361	33	5,189	....	1,836
39 Wallaceburg	Kent	44,311	12	371	31	8,271	....	3,261
40 Weston	York	43,833	5	187	37	4,868	....	1,216
41 Simcoe	Norfolk	43,216	2	50	25	[I] 11,403	....	....
42 Riverside	Essex	43,119	14	465	33	15,658	805	3,379
43 Midland	Simcoe	39,804	10	402	40	2,385	....	3,571
44 Walkerton	Bruce	39,801	7	207	30	3,019	....	1,382
45 La Salle	Essex	38,493	5	143	29	3,270	356	1,549
46 Essex	Essex	37,360	2	44	22	1,586	....	1,219
47 Pembroke	Renfrew	35,075	29	863	30	17,261	....	5,863
48 Tecumseh	Essex	33,718	16	519	32	7,049	1,008	5,828
49 Alexandria	Glengarry	32,856	13	435	33	6,473	....	4,670
50 Vankleek Hill	Prescott	31,799	6	199	33	3,068	....	2,092
51 Almonte	Lanark	31,638	5	102	20	1,258	....	1,403
52 Tillsonburg	Oxford	29,054	2	48	24	637	[I] 1,851	....
53 Hawkesbury	Prescott	25,730	32	1,222	38	24,681	....	12,016
54 Eastview	Carleton	22,146	23	896	39	16,329	155	10,191
55 Clarkstown	Carleton	21,501	11	390	35	6,740	....	3,809
56 Rockland	Russell	19,229	15	500	33	6,350	....	4,874
Totals and Averages	....	55,442	433	14,831	33	341,317	4,975	104,393
	In Districts							
57 Kapuskasing	Cochrane	100,778	19	547	29	28,936	....	8,941
58 Fort Frances	Rainy River	75,252	9	289	32	10,741	....	1,188
59 Geraldton	Thunder Bay	71,172	1	17	17	[I] 647	....	467
60 Cochrane	Cochrane	67,745	9	263	29	9,592	....	2,399
61 Iroquois Falls	Cochrane	63,071	7	234	33	17,634	....	4,584
62 Kenora	Kenora	58,793	7	205	29	4,557	....	1,025
63 New Liskeard	Timiskaming	54,792	3	76	25	4,500	....	541
64 Coniston	Sudbury	51,635	12	390	33	17,281	....	5,019
65 Sioux Lookout	Kenora	46,286	4	114	29	3,100	....	3,977
66 Timmins	Cochrane	44,842	65	2,210	34	103,090	....	38,371
67 Haileybury	Timiskaming	41,769	5	170	34	4,823	....	2,989
68 Hearst	Cochrane	37,092	5	155	31	3,396	....	3,026
69 Sturgeon Falls	Nipissing	33,877	25	937	37	19,191	....	9,467
70 Rainy River	Rainy River	33,600	2	41	21	1,928	....	889
71 Blind River	Algoma	27,865	12	375	31	8,389	....	4,347
72 Keewatin	Kenora	27,242	2	37	19	454	....	586
73 Charlton	Timiskaming	26,440	1	23	23	538	....	654
74 Cache Bay	Nipissing	25,108	4	140	35	1,793	....	1,950
75 Chelmsford	Sudbury	24,634	7	213	30	3,441	....	5,903
76 Kearney	Parry Sound	24,042	1	21	21	523	....	693
77 Mattawa	Nipissing	23,760	9	316	35	5,850	....	5,080
78 Smooth Rock Falls	Cochrane	20,283	6	192	32	6,824	....	7,860
79 Cobalt	Timiskaming	17,876	10	307	31	4,990	....	10,488
80 Massey	Sudbury	17,508	3	82	27	1,271	....	2,390
81 Bonfield	Nipissing	9,950	5	152	30	1,284	....	4,270
82 Little Current	Manitoulin	8,800	2	37	19	234	....	1,951
Totals and Averages	....	45,578	235	7,543	32	265,007	....	129,046
Totals and Averages, All Towns		52,802	668	22,374	33	606,324	4,975	233,439

STATISTICS, 1938

	Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness		Other Indebtedness	
	Current E	Capital F	Current	Capital	Total	Amount	Per $1,000 of Assessment	Amount	Per $1,000 of Assessment
	$	$				$	$ c.	$	$ c.
28	7,614	2,540	13.4	4.4	17.8	....	....	31,900	44.92
29	4,889	....	15.0	....	15.0	....	....	....	....
30	1,988	....	19.0	....	19.0	....	....	1,500	10.90
31	8,555	2,065	19.3	4.6	23.9	28,896	53.92	....	....
32	1,321	....	24.7	....	24.7	....	....	600	9.73
33	8,474	800	13.6	1.3	14.9	31,000	63.32	....	....
34	59,277	....	12.3	....	12.3	....	....	....	....
35	6,894	....	25.1	....	25.1	....	....	....	....
36	2,264	....	19.2	....	19.2	....	....	....	....
37	2,606	1,453	19.4	10.8	30.2	21,795	19.74	....	....
38	10,361	....	15.2	....	15.2	....	....	3,500	5.87
39	11,996	3,515	16.9	5.0	21.9	55,007	103.45	3,000	5.64
40	6,101	750	17.0	2.1	19.1	....	....	....	....
41	1,571	....	43.9	....	43.9	....	....	11,403	131.93
42	18,667	D	21.1	D	....	205,276	340.05	....	....
43	9,535	2,531	12.4	3.3	15.7	13,769	34.59	....	....
44	6,249	1,004	15.9	2.5	18.4	....	....	6,983	25.06
45	4,801	D	16.7	D	....	48,045	249.65	....	....
46	2,468	....	29.7	....	29.7	....	....	8,450	113.08
47	23,740	14,508	14.5	8.8	23.3	41,400	40.70	505	.50
48	18,473	D	18.8	D	....	79,922	148.14	3,945	7.31
49	10,536	500	12.7	.6	13.3	2,500	5.85	1,000	2.34
50	4,848	952	12.8	2.5	15.3	16,025	83.99	2,900	15.17
51	4,395	....	22.2	....	22.2	....	....	500	3.16
52	2,015	....	34.7	....	34.7	....	....	1,851	31.86
53	34,202	5,654	14.7	2.4	17.1	....	....	96,980	117.80
54	27,420	610	16.2	.4	16.6	45,000	88.35	6,440	12.56
55	9,491	D	12.8	D	....	66,847	282.64	....	....
56	11,570	900	12.2	.9	13.1	1,197	41.50	....	....
	444,438	67,990	15.8	2.7	18.5	927,928	38.72	290,428	12.12
57	26,922	8,873	25.6	8.4	34.0	76,317	39.86	....	....
58	8,292	5,365	15.3	9.8	25.1	80,459	118.79	12,198	18.01
59	612	....	19.4	....	19.4	....	....	1,042	14.64
60	11,756	2,160	23.3	4.2	27.5	22,000	36.08	....	....
61	16,488	4,435	36.6	9.9	46.5	8,749	19.82	....	....
62	5,058	D	13.1	D	....	22,000	53.46	....	....
63	3,390	1,072	23.5	7.5	31.0	16,082	97.84	....	....
64	17,665	....	24.0	....	24.0	....	....	....	....
65	5,591	H 1,886	25.6	8.6	34.2	21,269	114.88	10,200	55.10
66	94,598	32,788	21.4	7.4	28.8	289,007	99.15	668	.23
67	6,746	H	23.9	....	....	22,232	106.45	....	....
68	5,674	N.R.	19.1	....	....	8,203	44.23	21,183	114.22
69	27,417	496	15.4	.2	15.6	93,272	110.13	....	....
70	1,995	677	25.4	8.6	34.0	5,934	88.30	4	....
71	11,868	H	16.7	....	....	29,981	89.66	....	....
72	1,021	....	14.5	....	14.5	....	....	350	6.42
73	1,346	....	31.9	....	31.9	....	....	....	....
74	4,257	....	16.0	....	16.0	....	....	....	....
75	9,632	1,170	23.8	2.9	26.7	13,154	76.28	....	....
76	872	....	21.4	....	21.4	....	....	200	8.32
77	10,745	810	17.7	1.3	19.0	7,221	33.81	....	....
78	14,852	....	40.3	....	40.3	....	....	....	....
79	15,918	112	27.4	.2	27.6	8,202	45.88	....	....
80	3,371	....	22.2	....	22.2	....	....	500	952
81	3,823	1,444	12.8	4.8	17.6	17,337	348.48	....	....
82	2,506	....	35.4	....	35.4	....	....	....	....
	312,415	61,288	21.5	4.7	26.2	741,419	69.52	46,345	4.35
	756,853	129,278	17.7	3.4	21.1	1,669,347	48.21	336.773	9.73

TABLE 22—FINANCIAL

Villages	Counties	Assessment per Classroom A	No. of Classrooms	A.D.A. for the Calendar Year B	A.D.A. per Classroom	Major Sources of Receipts		
						School District Levy C	County Grant	Legislative Grant
		$				$	$	$
1 Forest Hill	York	535,810	1	57	57	6,740	....	99
2 Arthur	Wellington	141,994	2	65	33	1,632	....	387
3 Belle River	Essex	96,575	7	196	28	6,382	350	1,031
4 Elora	Wellington	89,594	1	30	30	647	....	150
5 Westport	Leeds	73,570	2	88	44	1,526	....	409
6 Swansea	York	71,790	1	32	32	1,579	....	483
7 Port Dalhousie	Lincoln	70,019	2	70	35	3,119	....	915
8 Tweed	Hastings	69,060	3	95	32	2,332	....	937
9 Teeswater	Bruce	68,000	1	32	32	753	....	154
10 Fergus	Wellington	65,008	1	26	26	573	....	131
11 Hastings	Northumberland	58,748	2	44	22	1,123	144	702
12 Mildmay	Bruce	51,063	4	111	28	2,056	183	1,388
13 Chesterville	Dundas	49,588	2	39	20	1,206	....	672
14 Eganville	Renfrew	47,024	4	107	27	1,350	....	920
15 Portsmouth	Frontenac	42,737	1	43	43	563	....	304
16 Barry's Bay	Renfrew	40,431	7	252	36	1,343	180	4,223
17 Marmora	Hastings	39,700	2	40	20	1,178	....	743
18 Delhi	Norfolk	32,238	3	116	39	I 19,122	....	....
19 Casselman	Russell	28,682	9	259	29	4,973	187	3,335
20 Killaloe	Renfrew	27,980	5	93	19	2,010	182	4,282
21 Lancaster	Glengarry	27,484	4	112	28	1,115	227	2,656
Totals and Averages		60,991	64	1,907	30	61,322	1,453	23,921
	In Districts							
22 Thornloe	Timiskaming	31,554	1	25	25	901	....	694
Totals and Averages, All Villages		60,538	65	1,932	30	62,223	1,453	24,615
Totals and Averages, All Urban		88,910	2,142	75,246	35	2,581,431	6,428	497,190
Grand Totals and Averages		79,943	2,940	95,254	32	3,046,161	27,403	951,272

A Local assessment for Districts (and all municipalities therein), Cities, and separated Towns; Equalized assessment in all other cases.
B Average Daily Attendance.
C Includes levy for Capital Charges.
D In default.
E Operating costs only.
F Debt charges.

INDEX TO TOWNS AND VILLAGES—TABLE 22

TOWNS

Alexandria 49
Almonte 51
Amherstburg 28
Arnprior 38
Barrie 2
Blenheim 32
Blind River 71
Bonfield 81
Brockville 17
Cache Bay 74
Campbellford 13
Charlton 73
Chelmsford 75
Clarkstown 55
Cobalt 79
Cobourg 29
Cochrane 60
Collingwood 3
Coniston 64
Cornwall 34
Dundas 6
Eastview 54
Essex 46
Fort Frances 58
Gananoque 27
Geraldton 59
Goderich 30
Haileybury 67
Hanover 37
Hawkesbury 53
Hearst 68
Hespeler 9
Ingersoll 24
Iroquois Falls 61
Kapuskasing 57
Kearney 76
Keewatin 72
Kenora 62
La Salle 45
Leamington 21
Lindsay 4
Little Current 82
Massey 80
Mattawa 77
Merritton 36
Midland 43
Mimico 18
Mount Forest 5
New Liskeard 63
Newmarket 25
Oakville 1
Orillia 7
Paris 26
Parkhill 12
Pembroke 47
Perth 35
Picton 8

STATISTICS, 1938

	Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness		Other Indebtedness	
	Current E	Capital F	Current	Capital	Total	Amount	Per $1,000 of Assessment	Amount	Per $1,000 of Assessment
	$	$				$	$ c.	$	$ c.
1	4,956	1,848	51.8	19.3	71.1	J	....	....	....
2	1,900	....	15.2	....	15.2	....	....	1,000	3.52
3	6,933	3,487	18.8	9.4	28.2	19,180	28.37	1,150	1.70
4	872	....	15.1	....	15.1	....	....	....	....
5	2,157	....	12.8	....	12.8	....	....	....	....
6	1,571	744	29.7	14.1	43.8	J	....	....	....
7	3,931	....	28.4	....	28.4	....	....	....	....
8	3,666	....	20.7	....	20.7	....	....	....	....
9	675	....	10.6	....	10.6	....	....	1,500	22.06
10	893	....	18.0	....	18.0	....	....	....	....
11	1,998	....	23.9	....	23.9	....	....	500	4.26
12	4,107	1,156	19.5	5.5	25.0	5,781	28.30	....	....
13	2,158	....	28.7	....	28.7	....	....	....	....
14	3,260	....	16.0	....	16.0	....	....	....	....
15	831	....	10.0	....	10.0	....	....	25	.58
16	8,770	1,956	18.7	4.1	22.8	33,246	117.47	....	....
17	1,919	523	25.6	7.0	32.6	1,962	24.71	3,008	37.88
18	3,024	....	36.3	....	36.3	....	....	16,540	171.02
19	7,663	1,041	15.6	2.1	17.7	13,700	53.07	....	....
20	5,500	523	31.0	2.9	33.9	2,092	14.95	1,000	7.15
21	4,095	....	19.3	....	19.3	....	....	....	....
	70,879	11,278	20.5	3.3	23.8	75,961	19.46	24,723	6.33
22	1,057	D	22.8	D	....	1,111	35.21	....	....
	71,936	11,278	20.5	3.3	23.8	77,072	19.59	24,723	6.28
	2,524,029	607,855	18.5	5.1	23.6	7,993,649	41.97	1,011,328	5.31
	3,380,829	717,169	19.4	4.5	23.9	8,471,036	36.04	1,173,091	4.99

G Debt of $291,398 included in figure for City of Toronto.
H Paid by Provincial Government-guaranteed debentures.
I Loan to start school.
J While this debt is a liability of the Separate School supporters of the City of Toronto, it covers the Separate schools of Toronto, Forest Hill, Swansea, and the Townships of York, East York, and Scarborough.
K Capital loan from Episcopal corporation.
L Forest Hill $14,457, and Swansea $5,517, both included in figure for City of Toronto.

INDEX TO TOWNS AND VILLAGES—TABLE 22—Continued

TOWNS

Prescott	15
Preston	19
Rainy River	70
Renfrew	20
Riverside	42
Rockland	56
St. Mary's	14
Seaforth	10
Simcoe	41
Sioux Lookout	65
Smith's Falls	23
Smooth Rock Falls	78
Sturgeon Falls	69
Tecumseh	48
Thorold	33
Tilbury	31
Tillsonburg	52
Timmins	66
Trenton	22
Vankleek Hill	50
Walkerton	44
Wallaceburg	39
Waterloo	11
Weston	40
Whitby	16

VILLAGES

Arthur	2
Barry's Bay	16
Belle River	3
Casselman	19
Chesterville	13
Delhi	18
Eganville	14
Elora	4
Fergus	10
Forest Hill	1
Hastings	11
Killaloe	20
Lancaster	21
Marmora	17
Mildmay	12
Port Dalhousie	7
Portsmouth	15
Swansea	6
Teeswater	9
Thornloe	22
Tweed	8
Westport	5

THE SECONDARY SCHOOLS

TABLE 23—CLASSIFICATION OF ACADEMIC PUPILS BY SUBJECTS OF STUDY, 1938-39

SUBJECTS	High Schools and Collegiate Institutes	Continuation Schools	Totals
Grades IX and X			
English	42,251	5,665	47,916
History	41,619	5,637	47,256
Geography	41,560	5,620	47,180
Health and Physical Education	41,180	5,901	47,081
General Mathematics	42,031	5,664	47,695
General Science	27,953	4,050	32,003
Agricultural Science	13,491	1,555	15,046
French	39,759	5,290	45,049
Special French for French-Speaking Pupils	824	37	861
Business Practice and Commercial Work	24,205	3,360	27,565
Music	23,927	3,010	26,937
Art	24,807	3,653	28,460
Latin	15,409	2,056	17,465
German	5,443	....	5,443
Greek	34	....	34
General Shop	7,675	328	8,003
Home Economics	6,989	314	7,303
Civics	52	....	52
Library Science	394	....	394
Grades XI and XII			
English	21,927	3,027	24,954
History	15,294	1,809	17,103
Physical Education	21,927	3,027	24,954
Algebra	15,929	1,824	17,753
Geometry	12,856	1,491	14,347
Physics	11,184	1,521	12,705
Chemistry	9,267	1,323	10,590
Agriculture and Horticulture, 1st Year	2,218	337	2,555
Agriculture and Horticulture, 2nd Year	1,562	316	1,878
French	22,002	2,656	24,658
Special French for French-Speaking Pupils	313	60	373
Latin	20,279	2,355	22,634
German	2,624	22	2,646
Greek	135	3	138
Spanish	83	....	83
General Shop	174	3	177
Home Economics	168	22	190
Art	217	11	228
Music	725	180	905
Bookkeeping and Penmanship	28	27	55
Stenography and Typing	125	41	166
Grade XIII			
English	8,616	474	9,090
Algebra	5,037	173	5,210
Geometry	5,302	193	5,495
Trigonometry	6,348	258	6,606
Modern World History	4,139	185	4,324
Physics	3,169	106	3,275
Chemistry	3,949	106	4,055
Botany	2,788	122	2,910
Zoology	2,791	122	2,913
Latin	2,564	119	2,683
Greek	36	3	39
French	6,024	177	6,201
Special French for French-Speaking Pupils	125	....	125
German	483	....	483
Spanish	11	....	11
Music	45	....	45
Commercial Course			
Literature (including Oral Reading)	1,318	71	1,389
Composition (including English Grammar)	659	41	700
Composition (including Business Corresp'dence)	1,215	31	1,246
Canadian History and Civics	819	52	871
British History	74	....	74
Commercial Geography	574	40	614
Arithmetic (including Rapid Calculation	1,518	63	1,581
Penmanship and Spelling	1,513	75	1,588
Bookkeeping (including Business Forms)	1,667	93	1,760
Office Practice (including Business Law)	1,034	30	1,064
Typewriting	1,732	77	1,809
Physiography	153	....	153
Shorthand	1,650	67	1,717
French	342	....	342

A Commercial Course Class was enrolled in the following Schools:

COLLEGIATE INSTITUTES

Cobourg
Collingwood
Goderich
Lindsay
Orillia
Smith's Falls
Morrisburg
Scarborough
Windsor (Sandwich)
York Memorial

HIGH SCHOOLS

Almonte
Amherstburg
Arnprior
Beamsville
Blenheim
Bowmanville
Bradford
Brampton
Burlington
Carleton Place
Cobalt
Deseronto
Dundas
Dunnville
Elmira
Fergus
Gananoque
Hagersville
Kenora
Leamington
Listowel
Markdale
Meaford
Merritton
Midland
Mitchell
Mimico
Nepean
New Liskeard
Newmarket
Oakville
Orangeville
Paris
Port Colborne
Port Credit
Port Hope
Richmond Hill
Saltfleet
Thorold
Uxbridge
Tweed
Walkerton
Wallaceburg
Waterdown
Whitby
Wiarton
Winchester
Wingham

CONTINUATION SCHOOLS

Long Branch
Pelham
Preston

TABLE 24—ANNUAL DEPARTMENTAL EXAMINATION RESULTS, 1939

(a) Intermediate Certificate.

Issued to Pupils completing Grade X in 1939.

Pupils classified by Schools	Total Number of Pupils Recorded	Pupils classified by Courses					
		General	Industrial	Agriculture	Home Economic	Commercial	Art
SECONDARY SCHOOLS—							
Collegiate Institutes	3,782	3,698	....	....	....	48	36
High Schools	3,202	3,028	....	....	.. 4	169	1
Continuation Schools	1,494	1,467	....	1	3	11	12
Vocational Schools	4,096	358	1,143	....	465	2,046	84
Collegiates or High Schools combined with Vocational Schools or Departments	4,822	2,768	643	48	136	1,219	8
PRIMARY SCHOOLS—							
Fifth Classes of Public Schools (with a few Grade C Continuation Schools)	1,055	738	1	6	1	309	.....
Fifth Classes of R.C. Separate Schools	1,309	1,138	....	....	....	171	.....
Totals	19,760	13,195	1,787	55	609	3,973	141

(b) June Middle School

Subjects	Number of Candidates	Candidates Recommended		Candidates Writing			Aegrotat	Appeals		Total Number Successful	Per Cent.	
		Total Number	Per cent. Recom-mended	Total Number	Number Passing	Per cent. Passing		Total Number	Number Sustained		1939	1938
English Composition	17,250	4,099	23.76	13,105	6,661	50.71	46	140	40	10,846	62.88	64.66
English Literature	16,498	4,961	30.07	11,499	6,008	52.24	38	105	18	11,025	66.83	68.65
Canadian History	19,583	6,021	30.75	13,525	6,176	45.66	37	200	29	12,263	62.62	63.33
Ancient History	14,263	4,887	33.42	9,341	4,486	48.02	35	136	37	9,445	66.22	68.76
Algebra	16,906	5,453	32.25	11,419	6,037	52.86	34	79	7	11,531	68.21	77.74
Geometry	14,292	4,575	32.01	9,677	5,537	57.21	40	95	33	10,185	71.26	71.95
Physics	13,710	4,558	33.25	9,111	5,719	62.77	41	81	20	10,338	75.40	74.38
Chemistry	12,167	4,028	33.11	8,092	5,152	63.66	47	66	9	9,236	75.91	78.70
Latin Authors	10,363	3,355	32.37	6,978	3,889	55.73	30	131	56	7,330	70.73	77.59
Latin Composition	10,717	3,261	30.43	7,426	4,184	56.34	30	131	28	7,503	70.01	77.36
French Authors	11,619	3,944	33.94	7,638	3,961	51.85	37	107	32	7,974	68.63	75.31
French Composition	12,193	3,165	25.96	8,985	5,853	65.14	43	85	18	9,079	74.46	71.82
German Authors	1,124	686	61.03	437	313	71.62	1	3	1	1,001	89.06	87.93
German Composition	1,148	509	44.34	636	473	74.37	3	2	1	986	85.89	76.30
Special French Literature	412	45	10.92	364	238	65.38	3	7	....	286	69.42	71.74
Special French Composition	393	23	5.85	368	244	66.31	2	4	....	269	68.45	73.09
Greek Authors	55	39	70.91	16	15	93.75	....	....	....	54	98.18	84.31
Greek Accidence	59	38	64.41	21	19	90.48	....	....	....	57	96.61	83.02
Spanish Authors	90	20	22.22	70	45	64.28	....	....	....	65	72.22	83.50
Spanish Composition	105	12	11.43	93	69	74.19	....	1	1	82	78.10	72.03
Italian Authors	3	....	....	3	2	66.67	....	....	....	2	66.67	100.00
Italian Composition	3	....	....	3	3	100.00	....	....	....	3	100.00	100.00
Agriculture I	2,520	963	38.21	1,554	1,082	69.62	3	5	....	2,048	81.27	85.56
Agriculture II	1,654	634	38.33	1,010	804	79.61	10	4	1	1,449	87.61	86.03
Music	47	24	51.06	23	19	82.61	....	....	....	43	91.49	95.24
Technical Arithmetic	321	108	33.64	213	65	30.51	....	....	....	173	53.89	63.67
Household Science I	113	48	42.48	65	40	61.53	....	....	....	88	77.88	85.11
Household Science II	101	47	46.53	54	39	72.22	....	....	....	86	85.15	77.78
Special Arithmetic	17	10	58.82	7	2	28.57	....	....	....	12	70.59	81.25
Special Zoology	26	14	53.85	12	10	83.33	....	....	....	24	92.31	77.78
Commercial Physics	14	14	100.00	....	....	....	....	....	....	14	100.00	95.45
Commercial Chemistry	8	7	87.50	1	1	100.00	....	....	....	8	100.00	87.50
Commercial Geography	37	17	45.95	19	11	57.89	1	....	....	29	78.38	89.66
Business Arithmetic	11	6	54.55	5	2	40.00	....	....	....	8	72.73	90.48
Totals	177,822	55,571	31.25	121,770	67,159	55.15	481	1,382	331	123,542	69.48	72.29

Total Number of Candidates............. 37,998

Total Number of Centres.................. 513

(c) June Upper School

Subjects	Number of Candidates	Candidates Recommended		Candidates Writing				Aegrotat	Appeals			Total Number Successful	Per Cent.	
		Total Number	Per cent. Recommended	Total Number	Number Passing	Per cent. Passing	Number Granted M. S. Standing		Total Number	Number Sust'd.	Number Granted M. S. Standing		1939	1938
English Composition	11,158	2,612	23.41	8,512	5,599	65.78	145	34	148	37	17	8,282	74.22	75.91
English Literature	10,832	2,882	26.61	7,912	4,050	51.19	94	38	258	53	14	7,023	64.84	63.27
Modern History	4,838	1,531	31.65	3,290	2,016	61.28	....	17	119	48	....	3,612	74.66	67.93
Algebra	5,512	1,774	32.18	3,717	2,866	77.11	4	21	42	14	2	4,675	84.81	75.79
Geometry	6,154	2,030	32.98	4,102	2,427	59.17	33	22	86	32	3	4,511	73.30	76.22
Trigonometry	7,221	2,625	36.35	4,569	3,777	82.67	....	27	19	5	....	6,434	89.10	75.13
Botany	2,895	1,059	36.58	1,822	1,098	60.26	....	14	36	16	....	2,187	75.54	72.64
Zoology	2,954	1,116	37.78	1,822	1,167	64.05	....	16	33	12	....	2,311	78.23	78.27
Physics	3,496	1,218	34.84	2,267	1,199	52.89	....	11	59	24	....	2,452	70.14	83.34
Chemistry	4,322	1,407	32.55	2,899	2,042	70.44	6	16	39	8	1	3,473	80.36	75.21
Latin Authors	3,189	1,206	37.82	1,972	1,015	51.47	11	11	80	24	5	2,256	70.74	66.43
Latin Composition	2,949	785	26.62	2,151	1,438	66.85	7	13	45	15	2	2,251	76.33	70.22
French Authors	6,852	2,560	37.36	4,260	2,890	67.84	43	32	110	47	6	5,529	80.69	82.96
French Composition	7,035	1,829	26.00	5,170	3,971	76.81	56	36	95	37	5	5,873	83.48	74.56
German Authors	651	337	51.77	314	244	77.71	6	....	8	5	1	586	90.02	95.71
German Composition	653	248	37.98	403	317	78.66	2	2	6	....	....	567	86.83	88.32
Greek Authors	26	6	23.08	20	17	85.00	....	....	1	....	1	23	88.46	91.18
Greek Composition	27	4	14.81	23	16	69.57	1	....	....	....	....	20	74.07	89.47
Spanish Authors	49	15	30.61	34	24	70.59	....	....	1	....	....	39	79.59	78.72
Spanish Composition	45	8	17.78	37	28	75.68	....	....	....	....	....	36	80.00	89.36
Special French Literature	188	16	8.51	172	101	58.72	1	....	7	1	1	118	62.77	61.14
Special French Composition	275	14	5.09	261	151	57.85	4	....	5	1	2	166	60.36	57.36
Italian Authors	7	....	....	7	7	100.00	....	....	....	....	....	7	100.00	90.00
Italian Composition	8	....	....	8	7	87.50	....	....	....	....	....	7	87.50	90.00
History of Commerce	12	8	66.67	4	2	50.00	....	....	1	1	....	11	91.67	90.00
Totals	81,348	25,290	31.09	55,748	36,469	65.42	413	310	1,198	380	60	62,449	76.77	74.17

Total Number of Candidates............. 20,232

Total Number of Centres.................. 488

(d) August Middle School

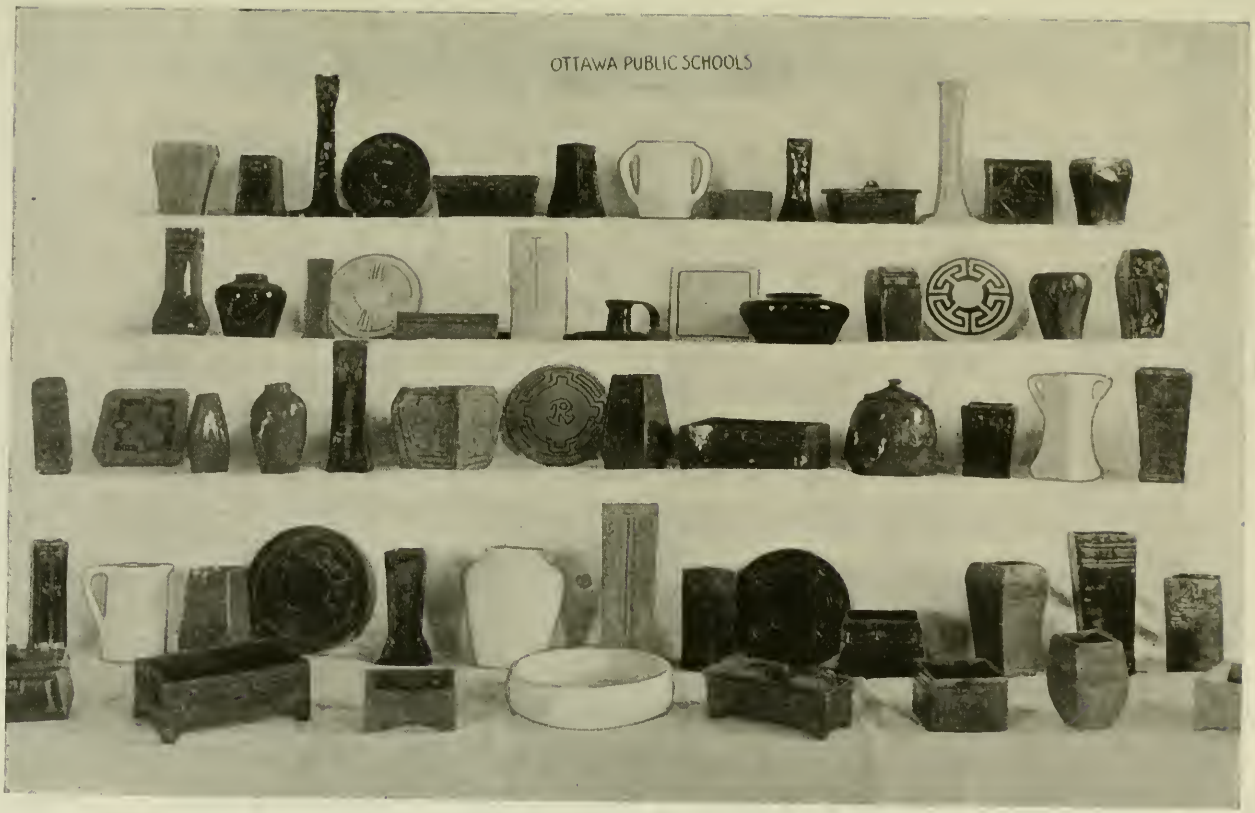
Subjects	Number of Candidates	Number Passing	Per cent. Passing	Appeals		Total Number Successful	Per Cent.	
				Total Number	Number Sustained		1939	1938
English Composition	8	6	75.00	....	....	6	75.00	83.33
English Literature	10	7	70.00	1	....	7	70.00	58.33
Canadian History	15	9	60.00	1	1	10	66.67	52.63
Ancient History	14	8	57.14	2	1	9	64.29	47.06
Algebra	16	10	62.50	1	....	10	62.50	56.25
Geometry	19	11	57.89	....	....	11	57.89	68.00
Physics	5	4	80.00	....	....	4	80.00	....
Chemistry	....	....	....	....	....	....	....	100.00
Special French Literature	6	6	100.00	....	....	6	100.00	100.00
Special French Composition	10	10	100.00	....	....	10	100.00	57.14
Totals and Averages	103	71	68.93	5	2	73	70.87	62.59

Total Number of Candidates................ 58 Total Number of Centres..................... 7

(e) August Upper School

Subjects	Number of Candidates	Number Passing	Percentage Passing	Aegrotat	Appeals			Total Number Successful	Per cent.	
					Number Granted M. S. Standing	Total Number	Number Sustained		1939	1938
English Composition	170	128	75.29	....	....	3	....	128	75.29	67.47
English Literature	215	144	66.98	....	....	22	5	149	69.30	78.15
Modern History	268	194	72.39	....	....	15	8	202	75.37	65.18
Algebra	136	84	61.76	1	....	8	2	87	63.97	51.03
Geometry	152	60	39.47	....	1	11	4	64	42.11	18.30
Trigonometry	127	90	70.87	1	....	3	2	93	73.73	49.02
Botany	207	163	78.74	....	....	13	5	168	81.16	76.33
Zoology	229	188	82.10	....	....	9	3	191	83.41	73.62
Physics	56	45	80.36	....	....	6	2	47	83.93	68.97
Chemistry	48	42	87.50	....	....	3	....	42	87.50	83.25
Latin Authors	24	16	66.67	....	....	1	....	16	66.67	60.87
Latin Composition	23	16	69.57	....	....	1	....	16	69.57	54.54
French Authors	77	68	88.31	....	....	....	....	68	88.31	76.71
French Composition	100	72	72.00	....	....	5	3	75	75.00	73.46
German Authors	1	....	....	....	....	....	....	....	....	100.00
German Composition	1	....	....	....	....	....	....	....	....	100.00
Special French Literature	49	33	67.35	....	....	6	2	35	71.43	67.47
Special French Composition	35	23	65.71	....	....	2	....	23	65.71	76.06
Totals and Averages	1,918	1,366	71.22	2	1	108	36	1,404	73.20	61.46

Total Number of Candidates.............. 1,220 Total Number of Centres.................... 18


OTTAWA PUBLIC SCHOOLS

Pottery made by Grade VII Pupils of Ottawa Public Schools.

TABLE 25—TEACHERS' SALARIES—FREQUENCY DISTRIBUTION

Range	Continuation Schools						High Schools					
	P.	M.A.	F.A.	Total	Group Total	Group Percentage	P.	M.A.	F.A.	Total	Group Total	Group Percentage
$5,000	......	......	......	......	......	......	......	......	......	......	3	.3
$4,900–$4,999	......	......	......	......			......	......	......	......		
$4,800–$4,899	......	......	......	......			......	......	......	......		
$4,700–$4,799	......	......	......	......			......	......	......	......		
$4,600–$4,699	......	......	......	......			......	......	......	......		
$4,500–$4,599	......	......	......	......			......	......	......	......		
$4,400–$4,499	......	......	......	......			......	......	......	......		
$4,300–$4,399	......	......	......	......			1	......	......	1		
$4,200–$4,299	......	......	......	......			......	......	......	......		
$4,100–$4,199	......	......	......	......			......	......	......	......		
$4,000–$4,099	......	......	......	......			2	......	......	2		
$3,900–$3,999	......	......	......	......			......	......	......	......	9	.9
$3,800–$3,899	......	......	......	......			2	......	......	2		
$3,700–$3,799	......	......	......	......			2	......	......	2		
$3,600–$3,699	......	......	......	......			2	1	......	3		
$3,500–$3,599	......	......	......	......			2	......	......	2		
$3,400–$3,499	......	......	......	......			2	......	......	2	22	2.1
$3,300–$3,399	......	......	......	......			3	......	......	3		
$3,200–$3,299	......	......	......	......			2	......	......	2		
$3,100–$3,199	......	......	......	......			4	......	......	4		
$3,000–$3,099	......	......	......	......			10	1	......	11		
$2,900–$2,999	......	......	......	......	3	.7	8	......	......	8	61	5.9
$2,800–$2,899	1	......	......	1			8	1	......	9		
$2,700–$2,799	......	......	......	......			10	1	2	13		
$2,600–$2,699	......	......	......	......			12	3	2	17		
$2,500–$2,599	2	......	......	2			12	2	......	14		
$2,400–$2,499	......	......	......	......	11	2.2	14	7	5	26	182	17.7
$2,300–$2,399	1	......	......	1			14	9	12	35		
$2,200–$2,299	1	......	......	1			11	6	13	30		
$2,100–$2,199	5	......	......	5			9	13	17	39		
$2,000–$2,099	3	1	......	4			7	28	17	52		
$1,900–$1,999	7	......	1	8	102	20.8	6	30	41	77	510	49.5
$1,800–$1,899	12	......	......	12			5	27	53	85		
$1,700–$1,799	20	2	1	23			3	37	59	99		
$1,600–$1,699	25	1	1	27			......	45	88	133		
$1,500–$1,599	25	6	1	32			2	52	62	116		
$1,400–$1,499	30	5	2	37	316	64.5	......	28	70	98	244	23.6
$1,300–$1,399	23	10	12	45			......	17	42	59		
$1,200–$1,299	28	13	18	59			......	11	45	56		
$1,100–$1,199	8	11	47	66			......	7	12	19		
$1,000–$1,099	10	31	68	109			......	1	11	12		
$900–$999	1	14	25	40	58	11.8	......	......	......	......	1	.1
$800–$899	2	6	4	12			......	......	1	1		
$700–$799	1	2	1	4			......	......	......	......		
Below $700	......	......	2	2			......	......	......	......		
Total Teachers	205	102	183	490			153	327	552	1,032		
Median Salary	$1,475	$1,050	$1,050	$1,200			$2,500	$1,700	$1,600	$1,700		
Average Salary	$1,490	$1,128	$1,073	$1,259			$2,571	$1,728	$1,627	$1,799		
Increase in Average over last year	$22	$30	$12	$16			$36	$19	$11	$15		

P.—Principal. M.A.—Male Assistant. F.A.—Female Assistant.

—FULL-TIME TEACHERS, 1938-39

Collegiate Institutes						Vocational Schools*						All Schools		
P.	M.A.	F.A.	Total	Group Total	Group Percentage	P.	M.A.	F.A.	Total	Group Total	Group Percentage	Total Teachers	Group Total	Group Percentage
1	......	......	1	21	1.4	1	......	......	1	13	1.1	2	37	1.1
......	......	......	......			......	......	......	......			......		
......	......	......	......			......	......	......	......			......		
1	......	......	1			......	......	......	......			1		
5	......	......	5			4	......	......	4			9		
......	......	......	......			1	......	......	1			1		
3	......	......	3			1	......	......	1			4		
2	......	......	2			......	......	......	......			3		
7	......	......	7			5	......	......	5			12		
......	......	......	......			......	......	......	......			......		
2	......	......	2			......	1	......	1			5		
4	......	......	4	184	12.0	1	......	......	1	106	9.1	5	299	7.0
10	......	......	10			1	......	......	1			13		
4	9	......	13			......	......	......	......			15		
1	36	18	55			......	28	7	35			93		
7	60	35	102			1	49	19	69			173		
2	41	11	54	212	13.8	2	33	16	51	207	17.9	107	441	10.5
1	11	8	20			1	23	8	32			55		
3	42	8	53			......	35	3	38			93		
4	35	5	44			......	29	6	35			83		
2	35	4	41			......	43	8	51			103		
3	19	7	29	281	18.3	......	50	23	73	302	26.0	110	647	15.3
3	33	32	68			......	42	17	59			137		
2	30	22	54			......	36	13	49			116		
1	41	15	57			......	53	18	71			145		
1	41	31	73			......	29	21	50			139		
......	25	19	44	383	25.0	......	30	20	50	311	26.8	120	887	21.0
......	40	38	78			......	42	18	60			174		
	33	50	83			......	38	25	63			177		
......	49	44	93			......	41	20	61			198		
......	44	41	85			......	42	35	77			218		
......	50	67	117	422	27.5	......	32	27	59	217	18.7	261	1,251	29.7
......	51	59	110			......	53	29	82			289		
......	42	45	87			......	16	21	37			246		
......	34	42	76			......	10	22	32			268		
......	11	21	32			......	3	4	7			187		
......	11	9	20	31	2.0	......	......	1	1	3	.4	156	594	14.0
......	1	6	7			......	......	2	2			113		
......	1	1	2			......	......	......	......			117		
......	2	......	2			......	......	......	......			87		
......	......	......	......			......	......	......	......			121		
......	......	......	......			......	......	......	......			40	59	1.4
......	......	......	......			......	......	......	......			13		
......	......	......	......			......	......	......	......			4		
......	......	......	......			......	......	......	......			2		
69	827	638	1,534			18	758	383	1,159			4,218	4,215	
$3,800	$2,504	$2,150	$2,350			$4,200	$2,650	$2,300	$2,580					
$3,742	$2,563	$2,277	$2,498			$4,161	$2,661	$2,406	$2,600					
$27	$14	$30	$23			$124	$43	$26	$36					

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*Whole-time teachers in Vocational work. Vocational teachers who spend part-time in High School (or Collegiate Institute) and the balance of the time in the Vocational School are shown in the High School (or Collegiate Institute) section.

THE CONTINUATION SCHOOLS

TABLE 26—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

CONTINUATION SCHOOLS	Grade	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREAS		
		Enrolment	Male	Female	Average Daily Attendance for the Year	Percentage Attendance Efficiency	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties														
Acton	A	69	28	41	67	94.7	28	16	8	9	8	47	17	5
Agincourt	A	121	60	61	120	93.1	51	32	19	13	6	46	75	....
Ailsa Craig	B	63	26	37	55	91.8	21	19	13	10	.....	25	38	....
Allenford	B	38	17	21	35	96.4	11	11	6	10	.....	25	7	6
Alton	B	26	13	13	27	92.9	10	10	4	2	.....	12	14	....
Alvinston	A	67	29	38	62	93.5	22	15	10	16	4	28	37	2
Arkona	C	16	3	13	14	89.8	9	7	......	......	.....	12	3	1
Aultsville	B	24	14	10	22	90.8	7	9	5	3	.....	16	4	4
Ayr	B	43	19	24	43	94.3	14	14	4	11	.....	18	18	7
Bancroft	B	61	30	31	59	93.3	18	18	14	11	.....	45	13	3
Bath	B	32	14	18	32	90.3	9	10	5	8	.....	12	20	....
Beachburg	B	30	8	22	23	95.7	11	8	4	7	.....	15	15	....
Beaverton	A	107	43	64	95	92.8	38	24	19	21	5	48	59	....
Beeton	B	53	18	35	48	91.4	23	10	13	7	.....	34	19	....
Belmont	B	54	24	30	52	92.6	16	16	11	11	.....	30	18	6
Blackstock	A	53	27	26	50	94.6	17	8	10	7	11	14	39	....
Blyth	B	45	16	29	42	92.7	16	11	6	12	.....	22	23	....
Bobcaygeon	A	56	23	33	52	93.7	16	17	17	6	.....	38	11	7
Bolton	B	35	12	23	36	92.4	13	13	7	2	.....	15	19	1
Bothwell	A	48	21	27	46	94	11	8	11	5	13	19	17	12
Brooklin	B	56	26	30	57	92.4	30	10	10	6	.....	19	36	1
Brownsville	B	34	9	25	35	93.1	9	12	11	2	.....	16	13	5
Brussels	A	88	38	50	85	95.8	26	15	24	14	9	51	37	....
Burgessville	B	32	19	13	30	94.1	11	7	9	5	.....	14	18	....
Caledon East	B	30	10	20	28	90.6	9	7	6	8	.....	16	14	....
Cannington	B	56	30	26	53	83.2	24	13	7	12	.....	29	23	4
Cardinal	A	76	34	42	77	94.5	33	18	10	13	2	56	17	3
Carp	A	74	31	43	65	91.3	21	11	19	23	.....	35	39	....
Castleton	B	30	12	18	28	90.8	8	6	11	5	.....	13	17	....
Chalk River	B	21	14	7	22	89.9	5	7	6	3	.....	19	2	....
Chatsworth	B	41	19	22	39	93.7	15	10	6	10	.....	14	27	....
Claremont	B	30	10	20	30	93.4	9	6	6	9	.....	22	8	....
Clifford	B	30	10	20	31	96.2	9	14	4	3	.....	15	6	9
Cobden	B	37	20	17	39	94.8	15	9	13	......	.....	22	15	....
Coldwater	B	42	22	20	41	94.4	12	13	8	9	.....	29	13	....
Comber	A	59	27	32	56	94.4	22	15	11	6	5	23	36	....
Consecon	B	18	6	12	16	85.7	3	4	4	7	.....	13	5	....
Cookstown	B	73	30	43	59	81.1	21	18	19	15	.....	45	28	....
Cooksville	B	38	16	22	39	93.3	17	11	6	4	.....	33	5	....
Creemore	A	67	29	38	68	92.5	17	20	10	8	12	26	32	9
Cumberland	B	22	9	13	23	95.6	5	8	6	3	.....	15	7	....
Delaware	B	25	9	16	23	86.8	14	3	2	6	.....	14	11	....
Delhi	B	74	30	44	69	89.7	31	23	14	6	.....	46	25	3
Delta	B	35	11	24	34	94.2	11	10	7	7	.....	15	20	....
Denbigh	B	23	8	15	22	96.2	9	7	5	2	.....	15	4	4
Dorchester	B	39	13	26	40	92.7	9	12	10	8	.....	21	16	2
Drayton	A	63	14	49	62	92.5	19	14	23	7	.....	11	52	....
Dresden	A	99	32	67	94	91.3	43	24	22	10	.....	54	30	15
Drumbo	B	33	10	23	32	90.6	13	9	4	7	.....	18	15	....
Eganville (R.C.)	A	70	30	40	68	95.8	19	19	20	9	3	44	26	....
Eganville (Pub.)	B	44	21	23	42	93.8	15	7	12	10	.....	32	12	....
Elgin	A	63	28	35	64	92.9	23	15	14	11	.....	23	40	....
Elmvale	B	62	17	45	60	91.5	23	18	10	11	.....	30	32	....
Embro	A	44	16	28	42	94.5	14	11	13	5	1	14	30	....
Ennismore	B	23	7	16	22	89.1	1	12	5	5	.....	9	10	4
Erin	B	62	23	39	62	87.8	16	30	9	7	.....	30	26	6
Fenelon Falls	A	85	34	51	81	92	19	17	24	12	13	38	45	2
Feversham	B	24	12	12	23	95.2	8	6	8	2	.....	12	12	....
Fingal	B	29	10	19	27	87.6	6	8	8	7	.....	13	15	1
Fitzroy Harbour	B	33	22	11	32	93.4	12	10	3	8	.....	22	11	....
Flinton	B	16	4	12	16	90.3	5	7	4	......	.....	8	7	1
Florence	B	39	17	22	38	92.1	15	10	8	6	.....	6	33	....
Forest Hill**	A	217	98	119	180	91.8	97	90	30	......	.....	206	5	6
Ford wich	B	25	13	12	25	97.4	10	10	3	2	.....	13	11	1
Forrester's Falls	B	37	20	17	35	90.6	14	8	5	10	.....	21	16	....
Frankford	A	59	30	29	57	90.3	21	13	12	5	8	36	9	14
Grand Valley	A	56	17	39	57	94.3	19	17	10	8	2	28	26	2
Haliburton	B	24	8	16	24	85.7	12	3	8	1	.....	24	......	....
Hallville	A	44	22	22	41	89.1	14	11	9	4	6	31	7	6
Hensall	B	38	17	21	34	92.3	11	14	7	6	.....	24	14	....
Hepworth	B	38	19	19	39	92.9	19	8	5	6	.....	16	9	13
Highgate	B	29	13	16	31	89.9	13	6	7	3	.....	14	15	....
Holstein	B	32	17	15	31	92.5	11	9	6	6	.....	11	21	....

TABLE 26—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

CONTINUATION SCHOOLS	Grade	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREAS		
		Enrolment	Male	Female	Average Daily Attendance for the Year	Percentage Attendance Efficiency	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties														
Honeywood	B	21	6	15	19	92.9	7	3	8	3	....	14	7	....
Ilderton	B	62	23	39	57	88.7	17	21	15	9	....	20	42	....
Inglewood	B	32	9	23	31	92.6	12	5	7	8	....	11	21	....
Jarvis	B	47	17	30	50	93.7	18	10	12	7	....	25	18	4
Jockvale*	C	7	2	5	7	91	4	3	....	....	....	4	1	2
Kars	B	38	14	24	36	89	12	15	8	3	....	21	17	....
Kenmore	B	23	10	13	24	93.2	8	4	7	4	....	13	10	....
Kinburn	B	49	17	32	49	92.9	18	11	10	10	....	13	36	....
Kinmount	B	32	13	19	22	68.1	9	9	9	5	....	30	2	....
Lambeth	B	43	16	27	42	93.6	15	10	8	10	....	16	27	....
Lanark	B	53	22	31	52	95.5	16	13	15	9	....	30	23	....
Lansdowne	B	38	15	23	39	95.8	18	7	7	6	....	18	19	1
Laurel	C	14	5	9	12	83.2	9	5	....	....	....	8	6	....
Lefroy	B	35	18	17	34	92.5	14	12	5	4	....	9	26	....
Lion's Head	B	33	12	21	31	90.2	16	9	4	4	....	18	14	1
Little Britain	B	32	20	12	27	89.8	8	11	12	1	....	12	20	....
Lobo	B	44	25	19	39	87.2	11	13	11	9	....	14	30	....
Long Branch	A	219	117	102	216	92.7	88	58	34	25	14	163	56	....
Lynden	B	33	15	18	33	93.6	14	14	2	3	....	15	18	....
Lyndhurst	B	48	28	20	43	92.9	17	16	9	6	....	9	38	1
Malakoff	B	13	8	5	12	94.9	4	4	5	....	....	4	8	1
Mallorytown	B	56	21	35	44	89.4	12	14	14	16	....	24	32	....
Manotick	B	50	18	32	49	92.9	11	10	16	13	....	18	32	....
Melbourne	B	31	10	21	32	88.8	8	10	3	10	....	11	17	3
Merlin	A	39	15	24	37	91.3	11	11	7	7	3	39	....	....
Merrickville	B	46	14	32	46	92.4	9	14	9	14	....	21	15	10
Metcalfe	B	59	24	35	56	93.6	22	14	10	13	....	23	36	....
Millbrook	A	75	26	49	73	91.7	24	17	13	12	9	29	45	1
Milverton	A	67	30	37	68	93.3	13	14	18	10	12	41	26	....
Minden	B	24	15	9	22	97.5	4	9	5	6	....	24	....	....
Minesing	B	23	10	13	20	91.6	9	4	7	3	....	13	10	....
Mount Albert	B	30	13	17	26	92.4	14	10	1	5	....	16	10	4
Mount Brydges	B	56	21	35	55	92.6	21	13	12	10	....	21	35	....
Mount Elgin	B	39	16	23	41	93.4	14	8	11	6	....	16	23	....
Mount Pleasant	B	35	14	21	33	90.3	14	9	7	5	....	28	7	....
Navan	B	33	18	15	30	92.2	8	9	10	6	....	24	9	....
New Dundee	B	28	13	15	29	94.6	13	2	8	5	....	11	15	2
New Hamburg	A	71	29	42	66	93	22	19	13	14	3	55	13	3
North Augusta	B	33	8	25	32	90.7	12	8	10	3	....	5	22	6
North Gower	B	49	18	31	47	90.3	14	13	12	10	....	25	24	....
Odessa	B	45	23	22	43	92.1	20	10	9	6	....	15	23	7
Oil Springs	B	36	12	24	35	90.7	8	15	10	3	....	15	20	1
Orono	A	62	27	35	56	92.5	14	13	15	12	8	25	36	1
Otterville	B	35	6	29	36	85.9	20	4	11	....	....	17	17	1
Paincourt	B	38	18	20	37	96.9	11	9	7	11	....	33	4	1
Paisley	A	64	22	42	62	93.6	19	11	10	13	11	41	23	....
Pakenham	B	46	23	23	41	90.1	18	9	13	6	....	21	18	7
Palmerston	A	82	31	51	80	96.9	22	28	17	15	....	50	15	17
Pelee Island	B	15	7	8	13	85	7	2	3	2	1	15	....	....
Pelham	A	126	53	73	117	93.6	40	22	32	19	13	26	79	21
Pickering	B	49	24	25	45	90.3	18	11	11	9	....	20	29	....
Plattsville	A	64	33	31	63	93.2	23	16	11	6	8	13	47	4
Port Burwell	B	29	9	20	26	87.9	7	10	7	5	....	20	8	1
Preston	A	243	101	142	243	94.8	83	71	57	19	13	206	34	3
Princeton	B	40	22	18	38	94.3	16	15	4	5	....	20	12	8
Richmond	A	81	37	44	78	93	20	20	24	14	3	26	55	....
Ripley	A	45	24	21	44	94.2	13	12	7	10	3	19	26	....
Rockwood	B	60	26	34	56	94.7	20	19	12	9	....	31	25	4
Rodney	B	64	30	34	62	92.1	23	18	13	10	....	42	21	1
Russell	A	64	32	32	62	93.5	20	10	10	11	13	50	11	3
St. George	A	49	21	28	46	93.1	12	10	13	9	5	34	4	11
Schomberg	B	48	26	22	47	88.4	16	15	8	9	....	16	19	13
Scotland	B	27	7	20	26	91.4	11	7	2	7	....	13	10	4
Seeley's Bay	B	41	19	22	40	91.5	18	9	3	11	....	22	9	10
Selkirk	B	28	10	18	30	91	11	8	8	1	....	10	18	....
Severn Bridge	B	34	11	23	33	93.9	11	7	10	6	....	2	10	22
Singhampton	B	27	10	17	26	87.3	11	8	4	4	....	9	4	14
Southampton	A	56	19	37	54	95.3	20	12	8	11	5	53	3	....
South Mountain	A	75	39	36	73	94.2	18	23	15	10	9	23	47	5
Sparta	B	23	11	12	22	89.9	8	7	5	3	....	8	15	....
Spencerville	A	54	29	25	51	91.6	14	18	12	10	....	24	30	....
Springfield	B	41	20	21	40	92.5	18	11	9	3	....	24	17	....
Stayner	A	61	22	39	56	94.3	18	15	10	12	6	35	26	....
Stella	B	20	4	16	18	88.9	8	6	3	3	....	8	12	....
Stevensville	A	48	21	27	47	96.2	24	9	6	5	4	33	15	....

TABLE 26—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

CONTINUATION SCHOOLS	Grade	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREAS		
		Enrolment	Male	Female	Average Daily Attendance for the Year	Percentage Attendance Efficiency	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties														
Stouffville	A	129	60	69	127	92.2	43	32	20	19	15	61	52	16
Sunderland	B	54	18	36	51	85.5	17	21	10	6	.....	19	34	1
Sutton West	A	98	33	65	94	93.3	24	32	22	12	8	58	39	1
Tamworth	A	68	33	35	56	90.2	16	15	20	6	11	42	21	5
Tara	B	50	23	27	49	97.2	18	15	6	11	.....	19	23	8
Tavistock	B	36	21	15	35	96	14	10	6	6	.....	26	5	5
Teeswater	A	64	33	31	60	94.7	18	17	12	8	9	39	25	....
Thamesford	B	63	24	39	59	94.8	17	15	19	12	.....	29	32	2
Thamesville	A	58	22	36	57	92.4	13	26	10	4	5	36	21	1
Thedford	B	22	4	18	24	92.6	9	7	4	2	.....	9	13	....
Thornbury	A	101	44	57	96	93.4	25	26	17	17	16	35	66	....
Thorndale	B	44	21	23	41	88.5	16	12	10	6	.....	18	25	1
Thornton	B	32	12	20	30	93.2	5	6	9	12	.....	16	16	....
Tiverton	B	21	8	13	17	92.8	6	7	1	7	.....	13	8	....
Tottenham	B	49	15	34	48	90.5	14	10	18	7	.....	22	21	6
Wales	B	41	19	22	35	87.4	13	10	8	10	.....	7	34	....
Warkworth	A	55	19	36	52	94.8	14	19	11	5	6	26	29	....
Wellesley	B	17	4	13	16	95.4	7	7	1	2	.....	12	4	1
Wellington	A	68	26	42	67	90.3	18	17	16	13	4	53	15	....
West Lorne	B	43	18	25	42	93.3	16	16	4	7	.....	28	15	....
Westmeath	B	24	10	14	20	79	11	7	6	......	.....	24	......	....
Westport	B	39	10	29	41	93.2	12	11	7	9	.....	28	8	3
Westport (R.C.)	B	41	12	29	38	91.9	8	13	16	4	.....	23	9	9
Wheatley	A	77	38	39	74	93.3	21	21	24	9	2	43	21	13
Wilberforce	B	13	8	5	12	89.8	3	2	4	4	.....	13	......	....
Wolfe Island	C	22	9	13	21	91.8	15	7	......	......	.....	22	......	....
Woodville	B	60	27	33	55	93.9	18	11	22	9	.....	22	35	3
Wooler	B	47	16	31	54	94.7	12	16	12	7	.....	22	25	....
Wroxeter	B	35	17	18	33	95	11	11	7	6	.....	12	23	....
Wyoming	B	34	14	20	34	94.4	13	9	8	4	.....	18	15	1
Totals	...	8,764	3,700	5,064	8,554	91.8	2,925	2,350	1,822	1,340	327	4,670	3,655	439
In Districts														
Blind River	A	62	34	28	64	95.9	19	16	12	7	8	60	2	....
Bruce Mines	B	47	21	26	39	91.7	16	15	16	......	.....	34	13	....
Burk's Falls	A	73	32	41	69	96.5	16	23	13	13	8	42	30	1
Coniston	B	63	26	37	64	96.9	28	15	14	6	.....	62	1	....
Emo	B	31	11	20	29	91.2	16	2	9	4	.....	23	8	....
Espanola	A	73	27	46	72	93.8	29	18	15	8	3	64	9	....
Fraserdale	C	14	5	9	13	96.9	4	4	6	......	.....	13	......	1
Hornepayne	B	47	22	25	43	91.3	13	15	8	11	.....	45	2	....
Little Current	B	34	16	18	32	91.2	15	10	3	6	.....	25	9	....
MacTier	B	52	20	32	51	91.4	20	15	9	8	.....	47	5	....
Manitowaning	B	17	5	12	16	91.5	7	3	6	1	.....	9	8	....
Massey	B	35	15	20	35	95.2	10	8	9	8	.....	35	......	....
Milford Bay	B	23	10	13	20	86	10	8	2	3	.....	23	......	....
Mindemoya	B	35	15	20	32	94.6	13	11	8	3	.....	25	10	....
Nipigon	B	29	18	11	25	95.1	11	7	9	2	.....	29	......	....
Port Carling	B	47	27	20	40	88.2	26	6	12	3	.....	25	22	....
Powassan	B	58	20	38	59	82.9	13	16	18	11	.....	27	28	3
Red Lake	C	10	6	4	10	91.9	3	3	3	1	.....	10	......	....
Richard's Landing	B	20	10	10	19	88.2	12	3	3	2	.....	20	......	....
Schreiber	A	82	38	44	79	94.4	17	24	12	20	9	79	3	....
Sioux Lookout	A	112	60	52	111	91.6	37	31	27	14	3	112	......	....
Smooth Rock Falls	A	43	29	14	43	98.2	21	12	4	6	.....	35	8	....
South River	B	34	13	21	32	94	11	13	3	7	.....	31	3	....
Sprucedale	B	7	4	3	6	83.7	......	3	3	1	.....	6	1	....
Sundridge	B	41	20	21	36	88.2	15	10	9	7	.....	32	......	9
White River	C	13	5	8	14	96.6	3	6	3	1	.....	13	......	....
Totals	...	1,102	509	593	1,053	92.5	385	297	236	153	31	926	162	14
Grand Totals	...	9,866	4,209	5,657	9,607	91.9	3,310	2,647	2,058	1,493	358	5,596	3,817	453
Increases for year	...	615	316	299	833	......	165	157	281	21	.....	468	128	19
Decreases for year	...	.....	.....	.....	......	1.5	......	......	......	......	9	......	......	....
Percentages	...	.....	42.7	57.3	97.4	......	33.5	26.8	20.9	15.1	3.7	56.7	38.7	4.6

*Reverted to Fifth Class within the year.
**Commenced January 1st, 1939.

TABLE 27—AGE-GRADE DISTRIBUTION, MAY, 1939

		11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 years and over	Totals	Grade Totals
GRADE IX..............	Boys	2	44	288	540	382	175	42	17	....	1	1	1,492	3,310
	Girls	4	69	456	677	452	128	27	4	1	....	....	1,818	
GRADE X...............	Boys	....	4	33	228	409	291	94	36	5	3	....	1,103	2,647
	Girls	....	3	69	389	590	366	101	22	3	1	....	1,544	
GRADE XI..............	Boys	....	....	1	32	207	312	175	75	21	6	....	829	2,058
	Girls	....	....	2	62	360	466	230	86	20	3	....	1,229	
GRADE XII.............	Boys	....	....	....	2	30	128	256	132	57	7	2	614	1,493
	Girls	....	....	....	2	70	242	358	149	45	11	2	879	
GRADE XIII............	Boys	....	....	....	....	....	10	42	62	41	10	6	171	358
	Girls	....	....	....	1	....	10	57	62	35	18	4	187	
TOTALS BY SEXES...	Boys	2	48	322	802	1,028	916	609	322	124	27	9	4,209	
	Girls	4	72	527	1,131	1,472	1,212	773	323	104	33	6	5,657	
GRAND TOTALS...........		6	120	849	1,933	2,500	2,128	1,382	645	228	60	15	9,866	

TABLE 28—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance (A)	Major Items of Receipts				Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness (F)
		Legislative Grants	County Grant	Township Grant	School District Levy (B)	Current	Capital	Current	Capital	Total	
In Counties		$	$	$	$	$	$				$
Acton	67	754	1,787	....	4,655	4,978	2,247	38.9	17.5	56.4	16,012
Agincourt	116	2,371	4,310	....	8,421	8,710	2,188	39.4	9.9	49.3	78,397
Ailsa Craig	51	1,262	1,186	....	2,662	3,496	1,162	36.8	12.2	49.0	8,753
Allenford	32	793	835	....	1,500	2,834	656	47.9	11.1	59.0	6,556
Alton	27	1,106	763	....	1,877	2,872	568	56.0	11.1	67.1	5,500
Alvinston	54	760	2,233	....	2,278	4,351	915	40.5	8.5	49.0	11,063
Arkona	15	195	L	....	450	1,219	....	41.6	....	41.6	....
Aultsville	21	951	926	765	464	2,900	....	71.3	....	71.3	....
Ayr	43	857	1,463	....	1,422	3,740	....	45.0	....	45.0	....
Bancroft	59	1,471	466	....	1,054	2,762	209	27.0	2.0	29.0	10,878
Bath	35	1,301	1,367	....	700	3,167	....	48.1	....	48.1	....
Beachburg	24	631	1,534	900	1,005	3,084	1,005	66.5	21.7	88.2	5,009
Beaverton	96	1,639	3,140	....	1,708	5,396	430	28.7	2.3	31.0	411
Beeton	48	733	1,245	....	2,082	3,414	654	38.8	7.4	46.2	6,077
Belmont	49	721	1,067	....	2,324	3,500	....	36.3	....	36.3	....
Blackstock	41	2,488	3,286	....	1,241	6,918	1,241	84.4	15.1	99.5	11,528
Blyth	40	722	1,252	....	1,793	3,958	877	52.5	11.6	64.1	....
Bobcaygeon	52	723	1,862	....	3,271	4,651	1,204	43.8	11.3	55.1	10,668
Bolton	35	728	1,363	446	1,332	3,463	1,088	49.6	15.6	65.1	4,645
Bothwell	48	1,161	2,795	....	1,750	4,698	....	51.4	....	51.4	....
Brooklin	48	786	2,422	....	2,552	4,312	1,376	49.1	15.7	64.8	20,632
Brownsville	40	968	1,031	....	1,191	3,977	....	50.9	....	50.9	....
Brussels	78	1,332	1,490	....	2,250	4,995	....	34.2	....	34.2	....
Burgessville	27	665	2,185	....	1,811	3,220	1,605	63.7	3.2	66.9	14,444
Caledon East	29	995	1,280	....	677	2,873	677	51.8	12.2	64.0	1,828
Cannington	50	735	1,834	....	2,634	3,890	637	40.4	6.6	47.0	2,158
Cardinal	72	1,101	641	....	4,956	4,876	2,180	35.2	15.7	50.9	4,359
Carp	72	1,290	2,423	1,190	2,053	4,968	944	37.3	7.1	44.4	9,173
Castleton	27	965	2,487	....	1,500	3,221	1,863	61.3	35.4	96.7	23,757
Chalk River	19	731	....	775	850	2,314	....	64.5	....	64.5	....
Chatsworth	30	777	1,228	....	200	4,322	....	72.4	....	72.4	....
Claremont	46	643	2,425	800	2,403	7,133	918	80.1	10.3	90.4	9,208
Clifford	27	622	2,043	....	825	2,983	784	53.6	14.1	67.7	2,614
Cobden	39	2,705	L	....	1,815	1,847	....	60.1	....	60.1	22,000
Coldwater	52	1,181	1,142	....	1,250	3,630	....	49.9	....	49.9	13,467

TABLE 28—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance (A)	Major Items of Receipts				Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness (F)
		Legislative Grants	County Grant	Township Grant	School District Levy (B)	Current	Capital	Current	Capital	Total	
In Counties		$	$	$	$	$	$				$
Comber	57	908	5,127	1,120	1,308	5,540	1,308	49.4	11.7	61.1	6,432
Consecon	20	521	1,022	292	c 1,788	2,267	......	58.8	......	58.8	......
Cookstown	59	1,076	682	230	2,349	3,594	......	32.0	......	32.0	......
Cooksville	40	742	1,146	......	4,523	5,264	1,238	70.5	16.6	87.1	8,654
Creemore	63	754	2,081	......	2,595	4,696	712	38.4	5.8	44.2	5,957
Cumberland	23	730	1,077	675	271	2,192	172	49.0	3.8	52.8	844
Delaware	23	617	995	800	......	3,914	......	93.6	......	93.6	14,000
Delhi	59	708	1,713	......	2,300	3,788	......	33.4	......	33.4	......
Delta	32	888	1,197	......	969	3,504	......	55.7	......	55.7	......
Denbigh	19	810	499	......	......	1,885	310	55.8	9.2	65.0	8,100
Dorchester	42	634	1,615	620	1,674	2,566	1,674	32.6	21.2	53.8	8,420
Drayton	63	1,401	4,396	......	2,301	6,829	......	59.0	......	59.0	......
Dresden	107	1,217	3,693	......	3,120	7,213	585	37.2	3.0	40.2	5,122
Drumbo	27	968	1,124	......	2,000	3,990	......	78.2	......	78.2	......
Eganville	42	1,052	508	......	2,778	3,722	884	47.1	11.2	58.3	13,200
Eganville (R.C.)	64	1,424	758	......	787	3,639	......	30.6	......	30.6	......
Elgin	61	1,345	3,209	......	2,405	4,791	1,445	42.0	12.7	54.7	5,124
Elmvale	61	1,241	1,413	800	1,200	3,654	......	31.7	......	31.7	......
Embro	41	857	3,248	......	4,993	4,642	1,043	60.2	13.5	73.7	9,799
Ennismore	25	577	396	678	322	2,362	......	51.1	......	51.1	......
Erin	56	751	2,178	......	2,369	3,985	1,565	38.2	15.0	53.2	11,515
Fenelon Falls	79	923	3,826	......	4,447	6,162	3,120	42.3	21.4	63.7	29,290
Feversham	24	906	1,319	765	......	2,558	548	53.3	11.4	64.7	2,740
Fingal	28	617	1,439	......	807	2,806	......	50.3	......	50.3	......
Fitzroy Harbour	32	1,075	914	......	700	2,753	610	45.6	10.1	55.7	610
Flinton	19	888	721	135	......	2,030	......	55.8	......	55.8	......
Florence	44	2,982	1,209	......	1,810	4,601	1,060	55.1	12.7	67.8	30,746
Fordwich	23	697	1,198	900	722	2,484	722	55.5	16.1	71.6	3,666
Forester's Falls	31	479	958	680	......	2,295	......	38.8	......	38.8	......
Frankford	89	1,115	3,037	......	2,864	4,936	2,064	47.7	19.9	67.6	B 41,438
Grand Valley	55	1,089	1,737	......	2,302	4,948	......	47.2	......	47.2	......
Haliburton	21	906	......	......	1,635	2,162	772	55.5	19.8	75.3	3,253
Hallville	44	1,579	1,509	1,080	3,196	6,485	1,461	77.6	17.5	95.1	4,010
Hensall	39	720	1,302	......	3,049	3,825	618	51.6	8.3	59.9	3,300
Hepworth	36	1,280	1,754	......	1,738	3,242	1,338	47.6	19.7	67.3	7,581
Highgate	31	697	1,512	......	967	3,386	963	56.3	16.0	72.3	5,575

TABLE 28—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance (A)	Major Items of Receipts				Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness (F)
		Legislative Grants	County Grant	Township Grant	School District Levy (B)	Current	Capital	Current	Capital	Total	
In Counties		$	$	$	$	$	$				$
Holstein	27	712	1,816	900	585	3,324	585	61.8	10.9	72.7	9,953
Honeywood	18	641	1,131	173	1,082	2,494	841	71.3	24.0	95.3	6,478
Ilderton	56	1,050	1,855		1,000	3,519		32.2		32.2	
Inglewood	26	840	1,710		699	2,772	932	53.1	17.8	70.9	6,478
Jarvis	48	1,480	1,909		1,438	3,095	1,618	32.9	17.2	50.1	21,345
Kars	35	668	668		300	2,858		47.3		47.3	
Kenmore	26	1,198	1,559		356	3,165		65.5		65.5	
Kinburn	48	1,088	2,690		456	4,090	911	45.1	10.0	55.1	3,417
Kinmount	25	1,157	181	480	294	1,526		33.2		33.2	
Lambeth	39	655	1,912		1,700	3,581		49.0		49.0	
Lanark	58	1,659	291		1,160	3,232		29.6		29.6	
Lansdowne	37	881	1,358	680		3,266		47.3		47.3	
Laurel	17	141	400	540	300	1,545		54.3		54.3	
Lefroy	33	3,051	1,761		401	3,191	401	48.1	6.0	54.1	7,593
Lion's Head	27	880	934		629	2,410	682	44.6	12.6	57.2	6,752
Little Britain	30	877	2,221	900	1,170	3,326	1,805	58.9	32.0	90.9	18,055
Lobo	37	1,148	2,130		1,002	4,596		62.0		62.0	
Long Branch	219	3,256	4,401		12,062	18,492	4,472	44.4	10.7	55.1	50,396
Lynden	31	757	1,103		2,041	3,245	918	56.0	15.9	71.9	E 14,449
Lyndhurst	33	8,032	1,476	680		4,334		71.0		71.0	
Malakoff	11	426	464	640		1,871		90.1		90.1	
Mallorytown	93	1,412	2,388		1,308	3,794	1,308	41.6	14.3	55.9	2,616
Manotick	50	1,574	2,226		882	3,227	882	33.3	9.1	42.4	932
Melbourne	33	923	1,551		608	3,464		53.7		53.7	
Merlin	47	723	2,975		528	4,473		51.2		51.2	
Merrickville	51	1,622	1,028		2,067	4,201	533	44.5	5.6	50.1	5,999
Metcalfe	54	1,402	1,433		250	3,016		28.2		28.2	
Millbrook	69	1,056	3,665		1,457	5,184	2,582	39.3	19.6	58.9	22,202
Milverton	69	786	2,295		5,991	6,936	2,236	50.5	16.3	66.8	22,218
Minden	21	934		225	531	1,816		43.6		43.6	
Minesing	17	455	465		1,262	2,253		68.5		68.5	
Mount Albert	30	815	2,974	850	1,954	3,690	2,269	71.4	43.9	115.3	22,049
Mount Brydges	54	710	1,767		513	3,271		30.8		30.8	
Mount Elgin	42	682	1,118		2,511	3,735	1,118	46.8	14.0	60.8	10,064
Mount Pleasant	35	819	765		3,140	3,005	1,828	44.9	27.2	72.1	18,275
Navan	28	965	446	800	742	3,127	242	59.0	4.6	63.6	1,165

TABLE 28—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance (A)	Major Items of Receipts				Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness (F)
		Legislative Grants	County Grant	Township Grant	School District Levy (B)	Current	Capital	Current	Capital	Total	
In Counties		$	$	$	$	$	$				$
New Dundee	27	808	1,212	....	1,733	3,154	1,003	58.0	18.5	76.5	7,129
New Hamburg	70	893	398	....	3,473	4,003	434	30.6	3.3	33.9	867
North Augusta	29	620	1,753	....	684	3,482	302	60.3	5.2	65.5	905
North Gower	51	1,171	991	....	250	3,048	....	34.9	....	34.9	....
Odessa	35	742	924	....	....	3,559	....	53.7	....	53.7	....
Oil Springs	39	1,551	648	385	840	2,879	....	37.6	....	37.6	....
Orono	60	1,452	3,604	1,260	969	5,609	1,138	50.1	10.1	60.2	10,511
Otterville	31	675	1,605	....	2,171	3,476	1,339	56.6	21.8	78.4	12,050
Paincourt	37	....	152	....	3,011	3,647	....	51.0	....	51.0	....
Paisley	62	1,196	1,895	....	1,963	5,054	....	43.1	....	43.1	....
Pakenham	33	1,013	1,040	900	....	2,944	....	46.6	....	46.6	....
Palmerston	86	738	1,031	....	3,521	5,253	....	32.7	....	32.7	....
Pelee Island	13	852	802	....	850	2,268	408	93.9	16.9	110.8	....
Pelham	108	1,971	10,031	....	3,872	13,495	3,852	62.8	17.9	80.7	24,894
Pickering	49	1,124	2,096	900	1,488	3,960	1,488	41.9	15.7	57.6	13,845
Plattsville	61	772	2,610	....	1,130	4,754	....	40.2	....	40.2	....
Port Burwell	30	1,068	604	900	2,184	3,797	1,305	63.0	21.7	84.7	14,351
Preston	242	1,296	2,205	....	18,041	15,591	6,473	34.4	14.2	48.6	43,421
Princeton	37	813	548	....	2,100	3,554	....	50.6	....	50.6	....
Richmond	74	1,299	3,697	....	1,857	5,058	1,345	34.5	9.2	43.7	12,424
Ripley	44	749	2,069	....	2,430	4,642	430	55.6	5.1	60.7	1,835
Rockwood	96	1,069	2,100	1,133	1,196	3,986	1,548	37.8	14.7	52.5	13,382
Rodney	60	748	1,006	785	1,665	3,797	....	33.8	....	33.8	....
Russell	65	2,144	674	....	1,000	5,158	....	41.0	....	41.0	....
St. George	56	860	637	....	5,361	6,333	1,626	60.1	15.4	75.5	18,335
Schomberg	49	687	1,206	....	1,210	3,406	1,210	35.8	12.7	48.5	E 24,900
Scotland	25	729	614	....	1,461	3,029	1,176	65.0	25.2	80.2	4,800
Seeley's Bay	35	1,182	1,266	680	963	3,833	963	55.9	14.0	69.9	11,423
Selkirk	31	683	1,752	900	365	2,963	....	49.2	....	49.2	....
Severn Bridge	31	2,022	611	....	1,306	3,345	406	56.3	6.8	63.1	4,034
Singhampton	25	805	729	675	916	2,119	436	43.9	9.0	52.9	5,231
Southampton	47	901	181	....	3,885	5,249	226	59.5	2.6	62.1	1,010
South Mountain	63	1,883	2,044	765	284	5,722	284	48.2	2.4	50.6	284
Sparta	22	777	2,374	....	....	3,679	....	86.4	....	86.4	....
Spencerville	51	1,437	2,144	....	1,000	4,810	....	48.8	....	48.8	....
Springfield	42	682	1,807	....	2,360	3,126	1,799	38.3	22.0	60.3	16,193

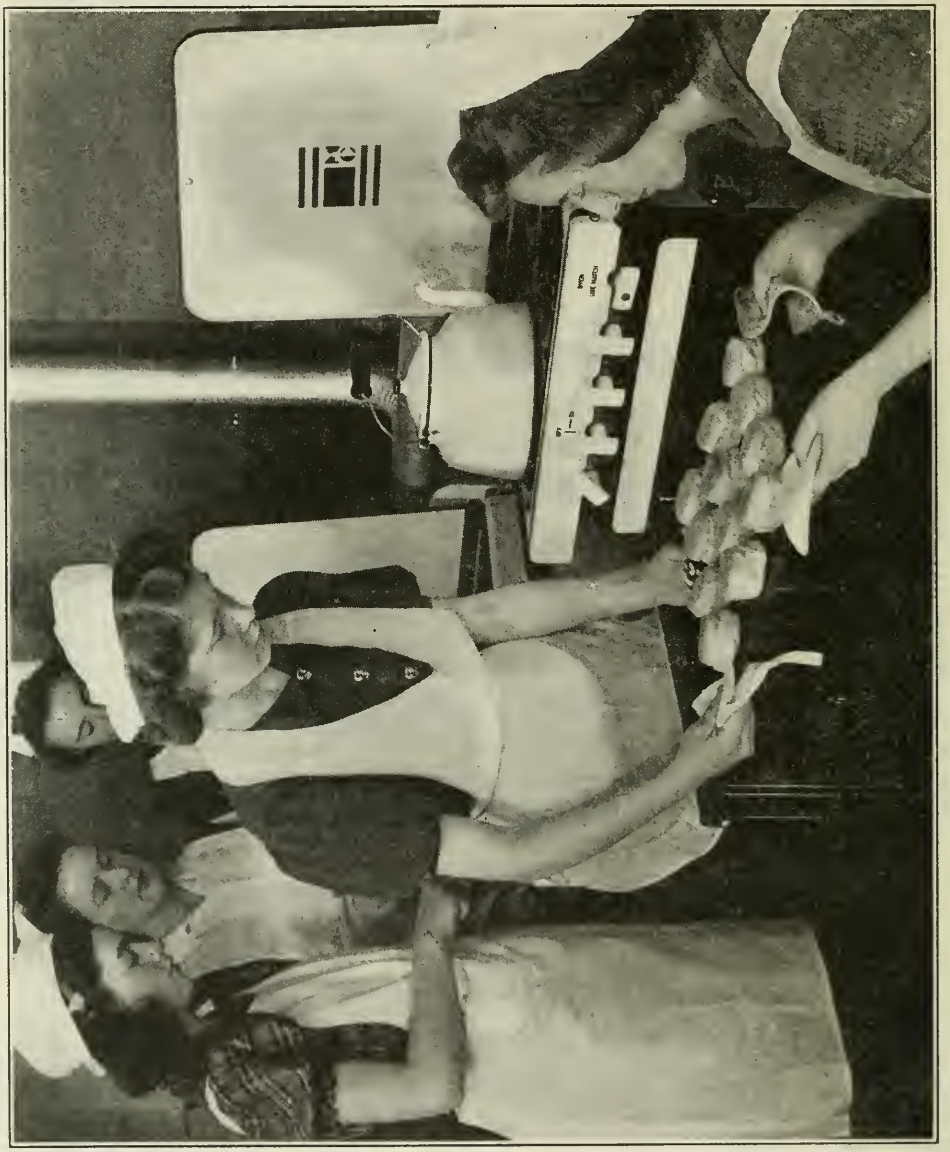
TABLE 28—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance (A)	Major Items of Receipts]				Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness (F)
		Legislative Grants	County Grant	Township Grant	School District Levy (B)	Current	Capital	Current	Capital	Total	
In Counties		$	$	$	$	$	$				$
Stayner	61	749	3,085		3,805	5,313	2,305	46.7	20.3	67.0	22,104
Stella	16	393	924	426		1,885		63.9		63.9	
Stevensville	41	991	2,248		3,362	5,622	2,006	71.1	25.4	96.5	22,067
Stouffville	105	971	3,297		5,507	7,502	1,799	36.2	8.7	44.9	21,469
Sunderland	52	1,065	1,160		1,097	3,109		30.8		30.8	
Sutton West	94	771	2,474		6,675	6,685	3,234	37.9	18.3	56.2	40,692
Tamworth	67	1,715	1,964		2,500	5,536		44.0		44.0	
Tara	44	963	1,003		555	3,181		38.2		38.2	
Tavistock	48	749	1,116		2,673	5,022		56.7		56.7	
Teeswater	60	1,657	3,603		2,473	6,583	1,308	56.3	11.1	67.4	B 9,063
Thamesford	59	1,048	1,630		1,311	3,935	1,311	33.9	11.3	45.2	10,491
Thamesville	61	967	2,280		2,935	5,233	1,046	44.9	9.0	53.9	5,748
Thedford	20	617	1,636		1,362	3,519	1,362	93.8	36.3	130.1	9,083
Thornbury	103	2,154	3,570		1,660	7,387		38.5		38.5	
Thorndale	38	665	988		1,640	3,292		47.0		47.0	
Thornton	30	839	1,058	800	1,338	2,943	651	49.8	11.0	60.8	13,661
Tiverton	17	913	1,453			2,644		129.5		129.5	
Tottenham	83	1,264	1,281		626	3,157		19.5		19.5	
Wales	35	772	2,844		765	3,031	898	47.6	14.1	61.7	796
Warkworth	46	3,369	2,231		1,821	7,151		81.6		81.6	6,576
Wellesley	15	501	371	360	1,993	2,240		81.4		81.4	
Wellington	74	757	1,457		5,834	6,222	2,064	43.3	14.4	57.7	41,968
West Lorne	42	712	414		1,772	2,799		34.2		34.2	
Westmeath	21	554	384	900	279	2,159		55.6		55.6	
Westport	44	1,454	485	720	770	3,345		41.0		41.0	
Westport (R.C.)	40	998	870		763	3,261		42.7		42.7	
Wheatley	94	1,422	4,137		4,616	6,478	2,616	47.0	19.0	66.0	6,991
Wilberforce	11	179	124		800	1,334		61.3		61.3	
Wolfe Island	18	174	174	360		1,122		33.7		33.7	
Woodville	52	1,182	2,160		1,777	3,578	1,569	37.0	16.2	53.2	21,964
Wooler	57	1,510	2,009		1,626	4,123		39.9		39.9	
Wroxeter	30	629	1,306		900	2,960		52.8		52.8	
Wyoming	30	900	1,156		1,000	2,838	324	50.0	5.7	55.7	1,619
Totals and Averages	8,286	188,528	287,041	33,368	323,438	711,477	127,487	46.1	8.3	54.4	1,255,095

TABLE 28—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance (A)	Major Items of Receipts				Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness (F)
		Legislative Grants		Township Grant	School District Levy (B)	Current	Capital	Current	Capital	Total	
		Ordinary	District								
In Districts		$	$	$	$	$	$				$
Blind River	65	1,638	....	....	3,619	5,291	D	43.4	D	....	33,557
Bruce Mines	38	1,353	613	....	2,076	3,112	726	42.9	10.0	52.9	E 11,278
Burk's Falls	62	1,590	....	....	2,735	4,373	....	37.6	....	37.6	....
Coniston	58	1,494	....	....	4,040	6,083	....	54.7	....	54.7	....
Emo	27	1,430	....	350	1,410	3,038	D	62.3	D	....	2,219
Espanola	48	1,494	....	....	3,014	5,226	....	39.7	....	39.7	....
Fraserdale	11	368	....	....	705	2,149	....	106.7	....	106.7	....
Hornepayne	35	3,460	....	....	6,434	4,437	....	65.8	....	65.8	14,000
Little Current	32	1,397	....	....	4,000	3,758	....	61.6	....	61.6	....
MacTier	39	1,467	....	....	2,965	3,183	610	40.8	7.8	48.6	5,493
Manitowaning	13	1,025	....	200	600	2,364	....	93.8	....	93.8	....
Massey	29	1,236	....	....	1,441	2,682	....	50.0	....	50.0	....
Milford Bay	19	1,160	....	225	1,230	2,433	....	68.0	....	68.0	....
Mindemoya	27	1,406	....	250	758	3,241	758	62.4	14.6	77.0	4,855
Nipigon	22	1,061	....	....	2,027	2,903	225	69.5	5.3	74.8	1,119
Port Carling	33	1,075	....	....	1,691	3,207	D	51.4	D	....	1,220
Powassan	59	1,683	....	....	3,745	3,995	1,308	34.8	11.4	46.2	14,385
Richard's Landing	18	890	....	500	297	1,916	....	53.1	....	53.1	....
Red Lake	9	320	....	....	G 654	1,964	....	119.7	....	119.7	....
Schreiber	77	1,494	....	....	8,313	7,659	2,752	50.9	18.2	69.1	25,690
Sioux Lookout	107	2,489	....	....	4,150	6,199	....	31.1	....	31.1	....
Smooth Rock Falls	36	1,495	....	....	6,030	7,181	....	104.7	....	104.7	....
South River	36	1,333	....	....	1,637	2,823	....	41.5	....	41.5	....
Sprucedale ('39)	101	787	....	....	1,080	1,759	....	63.9	....	63.9	....
Sundridge	41	1,597	194	....	1,366	3,088	....	46.2	....	46.2	....
White River	16	366	....	....	1,596	1,457	....	44.4	....	44.4	....
Totals and Averages	1,058	35,108	807 K	1,525	67,613	95,521	6,379	44.9	3.0	47.9	113,816
Grand Totals and Averages	9,344	224,443H	I	34,893	391,051	806,998	133,866	45.9	7.6	53.5	1,368,911

A Average Daily Attendance for calendar year.
B Includes levy for Debentures.
C Transferred from Public School Funds.
D In Default.
E Combined Public and Continuation Schools.
F In some cases this may include Public School.
G Community Donations.
H Including District Grant.
I For Total County Grant, see Totals of Schools in Counties.
K In the Districts the Provincial Government assumes 80% of the cost of tuition of non-resident pupils.
L County Grant not received untl 1939.



A Toronto Class in Home Economics.

TABLE 29—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

COLLEGIATE INSTITUTES	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREAS		
	May Enrolment	Male	Female	Average Daily Attendance for the Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties													
Barrie	544	244	300	500	92.6	167	122	98	81	76	350	194	....
Belleville	509	234	275	464	94.2	137	134	108	78	52	380	107	22
Brantford	923	375	548	897	94.3	344	200	143	138	98	718	180	25
Brockville	426	199	227	413	94.3	148	74	81	76	47	366	60	....
Chatham	519	264	255	487	94.1	162	119	89	103	46	365	153	1
Clinton	150	65	85	149	95.3	45	36	25	18	26	74	76	....
Cobourg	346	149	197	321	92.5	88	96	98	32	32	258	88	....
Collingwood	288	119	169	295	94.4	96	70	72	28	22	233	41	14
Cornwall	583	288	295	549	95.9	262	112	106	61	42	364	204	15
Galt	325	163	162	316	94.5	111	51	73	68	22	231	70	24
Goderich	256	104	152	259	94	74	74	50	34	24	174	82	....
Guelph	682	363	319	624	94.6	210	169	137	82	84	534	135	13
Hamilton—Central	932	458	474	920	95.4	239	243	182	141	127	913	17	2
Delta	833	428	405	805	96	242	231	136	113	111	823	10	....
Westdale	794	390	404	762	94.4	207	175	174	133	105	747	47	....
Ingersoll	239	97	142	240	94.3	81	75	40	23	20	201	37	1
Kingston	1,025	526	499	917	92.8	374	215	200	140	96	820	189	16
Kitchener-Waterloo	620	317	303	567	94.8	......	200	161	155	104	578	42	....
Lindsay	500	221	279	498	94.1	127	137	104	47	85	352	113	35
London—Central	1,019	490	529	978	94.4	239	231	211	195	143	861	156	2
Sir A. Beck	631	304	327	605	97.5	139	178	132	105	77	528	97	6
South	652	311	341	577	92.7	168	146	150	115	73	......	567	85
Morrisburg	164	64	100	151	93.9	49	49	25	21	20	83	81	....
Napanee	226	86	140	231	92.7	84	52	37	26	27	113	108	5
Niagara Falls	427	211	216	409	94.7	134	100	105	53	35	421	2	4
Orillia	495	205	290	476	93.7	135	146	78	96	40	389	45	61
Oshawa	686	343	343	678	95.5	275	150	155	65	41	587	87	12
Ottawa—Glebe	1,660	847	813	1,601	94.4	395	366	357	318	224	1,649	8	3
Lisgar	1,056	542	514	995	92.9	226	263	257	171	139	921	123	12
Owen Sound	389	194	195	359	94.5	103	94	71	69	52	309	74	6
Pembroke	234	114	120	187	94.3	56	42	68	35	33	190	39	5
Perth	288	148	140	281	97.3	80	59	66	50	33	152	129	7
Peterborough	592	293	299	544	94	184	112	139	79	78	459	110	23
Picton	170	77	93	167	93.9	69	34	21	21	25	88	82	....
Renfrew	259	121	138	244	94.7	48	98	45	34	34	156	103	....
St. Catharines	893	432	461	864	93.3	394	158	131	124	86	767	123	3
St. Mary's	302	139	163	301	94.3	81	79	67	46	29	188	76	38
St. Thomas	689	321	368	636	91.2	170	162	145	128	84	508	175	6
Sarnia	711	350	361	658	93.1	166	212	145	109	79	544	165	2
Scarborough	464	236	228	442	94	240	84	62	45	33	449	4	11
Seaforth	177	79	98	167	92.3	59	57	26	16	19	86	85	6
Smith's Falls	457	200	257	454	94.8	154	103	102	50	48	327	69	61
Stamford	472	186	286	381	94	151	137	71	61	52	371	101	....
Stratford	787	443	344	786	95.2	235	214	134	117	87	707	71	9
Strathroy	192	76	116	185	94.4	59	44	37	28	24	104	85	3
Toronto—Bloor	585	353	232	557	94.3	133	136	133	107	76	585	......	....
Harbord	1,207	757	450	1,122	95	326	300	242	191	148	1,203	......	4
Humberside	1,405	713	692	1,339	95.1	309	329	276	274	217	1,405	......	....
Jarvis	919	494	425	827	93.5	200	228	191	160	140	911	6	2
Lawrence Park	1,038	530	508	942	94.7	312	252	198	170	106	988	50	....
Malvern	1,087	569	518	971	92.9	290	250	230	189	128	1,078	9	
North	1,274	662	612	1,121	93.4	237	320	280	252	185	1,175	84	15
Oakwood	999	555	444	940	93.4	271	214	199	171	144	996	3	....
Parkdale	864	472	392	828	94.9	221	187	180	169	107	863	1	....
Riverdale	1,154	644	510	1,043	93.7	325	258	202	230	139	1,153	......	1
Vankleek Hill	150	58	92	148	94.4	40	34	30	25	21	34	85	31
Windsor—Kennedy	936	456	480	869	96.8	303	239	182	124	88	874	62	....
Patterson	865	398	467	871	96.7	271	225	165	132	72	854	11	....
Sandwich	460	203	257	441	96	129	103	103	86	39	439	21	....
Walkerville	913	467	446	848	96.5	225	198	239	186	65	816	97	....
Woodstock	571	275	296	546	94.7	227	151	93	55	45	428	141	2
York Twp.—													
Runnymede	874	459	415	806	93.1	254	192	196	113	119	649	215	....
Vaughan Rd	1,143	612	531	1,083	95.9	418	252	210	154	109	1,048	95	....
Memorial	637	346	291	598	94.1	295	161	106	42	33	632	5	....
York East Twp	922	561	361	870	94.7	361	239	154	103	65	896	26	....
York North Twp	282	138	144	277	94.1	76	70	75	35	26	201	81	....
Totals	42,871	21,538	21,333	40,387	94.4	12,430	10,241	8,598	6,696	4,906	36,666	5,602	603
In Districts													
Fort William	724	326	398	708	96.1	191	201	147	97	88	653	71	....
North Bay	623	297	326	555	96.2	263	116	103	86	55	557	39	27
Port Arthur	369	158	211	345	95.7	......	122	100	75	72	354	......	15
Sault Ste. Marie	805	377	428	733	93.5	243	195	169	115	83	745	55	5
Totals	2,521	1,158	1,363	2,341	95.2	697	634	519	373	298	2,309	165	47
All Coll. Institutes	45.392	22,696	22.696	42,728	94.5	13.127	10.875	9.117	7.069	5,204	38.975	5.767	650

TABLE 29—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

HIGH SCHOOLS	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREAS		
	May Enrolment	Male	Female	Average Daily Attendance for the Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties													
Alexandria	118	37	81	114	94	38	27	21	18	14	99	13	6
Alliston	155	57	98	139	92.3	43	37	25	18	32	68	79	8
Almonte	129	56	73	123	93.9	32	23	47	13	14	85	38	6
Amherstburg	159	72	87	152	94.6	42	41	32	28	16	77	82	....
Arnprior	299	141	158	289	93.3	93	73	69	32	32	207	66	26
Arthur	155	65	90	148	92.9	45	27	30	28	25	95	59	1
Athens	122	50	72	110	90.6	36	32	24	15	15	31	91	....
Aurora	208	91	117	181	92.9	61	52	29	34	32	100	107	1
Avonmore	79	36	43	71	92.1	23	22	15	......	19	64	8	7
Aylmer	215	87	128	214	94.4	66	51	31	30	37	97	114	4
Beamsville	181	80	101	167	91	71	23	33	41	13	51	130	....
Blenheim	203	87	116	197	94.1	60	58	40	24	21	79	124	....
Bowmanville	287	118	169	256	89.4	59	64	71	68	25	214	73	....
Bradford	106	44	62	103	94.4	37	24	17	15	13	44	59	3
Brampton	337	126	211	326	95.2	107	84	66	42	38	180	148	9
Brighton	123	45	78	115	93.1	43	22	30	18	10	66	56	1
Burford	88	35	53	79	92	34	17	16	9	12	88	......	....
Burlington	311	145	166	299	94.1	105	82	61	34	29	184	98	29
Caledonia	191	91	100	185	94.3	72	53	38	14	14	72	68	51
Campbellford	202	91	111	196	94.1	56	56	33	28	29	107	93	2
Carleton Place	216	103	113	209	94.4	77	51	49	29	10	148	64	4
Cayuga	80	32	48	82	92.9	22	20	18	12	8	28	52	....
Chesley	124	54	70	127	96.7	44	27	20	13	20	69	43	12
Chesterville	136	55	81	131	92.6	47	28	28	16	17	58	67	11
Colborne	110	47	63	104	91.8	28	20	27	16	19	55	55	....
Deseronto	73	28	45	79	94.2	24	18	15	9	7	37	28	8
Dundalk	86	39	47	76	93.8	26	15	21	11	13	33	37	16
Dundas	213	83	130	201	94.3	65	58	47	29	14	149	64	....
Dunnville	191	79	112	191	95.5	68	43	34	29	17	109	79	3
Durham	79	35	44	82	94.7	32	19	11	11	6	47	32	....
Dutton	130	44	86	123	89.4	29	17	22	27	35	35	95	....
Elmira	140	65	75	147	95.7	44	40	30	11	15	94	40	6
Elora	77	27	50	73	95	29	28	11	9	.....	44	32	1
Embrun	59	25	34	55	96.9	16	7	11	22	3	50	7	2
Essex	238	100	138	243	94.1	73	59	50	35	21	102	136	....
Etobicoke	345	169	176	303	93.6	91	82	92	44	36	332	8	5
Exeter	186	86	100	178	93.7	49	44	37	29	27	75	104	7
Fergus	214	93	121	216	94.9	69	36	49	33	27	139	69	6
Finch	81	27	54	73	95.6	18	22	18	16	7	14	66	1
Flesherton	79	45	34	73	89.9	20	19	16	8	16	73	6	....
Forest	131	49	82	121	93.1	40	26	26	22	17	65	66	....
Fort Erie	288	146	142	299	88.2	101	63	74	33	17	273	15	....
Gananoque	195	82	113	179	93.2	69	63	24	19	20	153	34	8
Georgetown	133	57	76	133	94.9	44	39	25	12	13	78	46	9
Glencoe	125	46	79	123	93.5	32	25	30	20	18	36	78	11
Grimsby	146	65	81	146	93.9	35	37	26	29	19	92	54	....
Hagersville	162	82	80	160	93.6	53	50	20	22	17	76	72	14
Hanover	180	70	110	178	91.8	73	50	28	15	14	104	54	22
Harriston	91	41	50	94	95	23	26	11	15	16	52	35	4
Harrow	106	47	59	102	90.4	36	29	18	8	15	102	4	....
Havelock	84	33	51	81	92.6	26	22	17	9	10	61	20	3
Hawkesbury (Eng.)	92	48	44	82	93.3	20	22	14	15	21	54	22	16
(Fr.)	123	67	56	123	97.6	46	34	27	16	.....	111	9	3
Iroquois	116	61	55	108	95	38	22	24	9	23	47	63	6
Kemptville	163	76	87	155	93.4	61	37	28	12	25	63	92	8
Kincardine	148	62	86	141	94.7	49	44	31	13	11	90	58	....
Kingsville	151	76	75	145	92.7	49	38	29	21	14	105	46	....
Lakefield	105	40	65	105	92.3	27	26	26	15	11	58	45	2

TABLE 29—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

HIGH SCHOOLS	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREAS		
	May Enrolment	Male	Female	Average Daily Attendance for the Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties													
Leamington	347	187	160	343	93.8	119	91	62	42	33	200	137	10
Listowel	185	74	111	189	94.6	65	52	32	21	15	88	83	14
Lucan	86	39	47	72	91.7	23	32	19	7	5	30	56	....
Lucknow	96	38	58	94	92.8	25	19	20	12	20	39	19	38
Madoc	133	58	75	128	94.4	39	32	32	18	12	67	66	....
Markdale	82	30	52	72	93.7	19	22	13	15	13	39	43	....
Markham	174	68	106	166	92.9	54	35	40	18	27	52	98	24
Marmora	96	41	55	97	83.3	27	31	21	12	5	48	46	2
Maxville	123	60	63	117	90.9	36	28	29	12	18	36	38	49
Meaford	189	83	106	177	95.7	50	38	43	29	29	122	64	3
Merriton	182	84	98	183	93.8	42	67	32	27	14	126	56	....
Midland	368	151	217	362	95.1	90	105	89	47	37	283	80	5
Milton	165	72	93	159	91.3	44	50	32	24	15	74	91	....
Mimico	760	362	398	763	95.6	285	182	178	68	47	390	370	....
Mitchell	168	70	98	165	93	46	37	42	23	20	70	97	1
Morewood	51	24	27	46	92.6	14	18	10	5	4	16	24	11
Mount Forest	114	47	67	113	95.6	33	28	20	17	16	73	21	20
Nepean	493	211	282	448	94.1	134	132	126	57	44	454	38	1
Newburgh	75	38	37	66	89.5	25	16	9	7	18	15	60	....
Newcastle	34	17	17	34	91.7	18	6	8	2	.....	18	16	....
Newmarket	283	132	151	285	92.8	103	74	43	41	22	157	112	14
Niagara	79	37	42	75	92.5	25	20	16	11	7	52	27	....
Norwich	124	55	69	115	91	41	20	25	21	17	56	59	9
Norwood	109	48	61	101	92.7	34	31	17	17	10	44	57	8
Oakville	271	120	151	265	93.2	75	74	54	41	27	150	121	....
Omemee	57	23	34	56	91.1	18	17	13	9	.....	35	18	4
Orangeville	171	83	88	161	90.3	42	35	53	21	20	103	43	25
Paris	216	117	99	212	93.2	80	46	46	16	28	152	50	14
Parkbill	105	47	58	99	93.7	28	25	22	14	16	41	61	3
Penetanguishene	149	56	93	150	95	63	44	28	14	.....	128	20	1
Petrolia	194	80	114	187	95.5	61	46	28	33	26	117	77	....
Plantaganet	108	38	70	103	96.4	17	20	32	27	12	71	37	....
Port Colborne	396	165	231	386	96.2	151	108	70	38	29	274	122	....
Port Credit	407	175	232	379	93.1	168	91	85	42	21	95	312	....
Port Dover	92	38	54	90	92.2	32	32	15	13	.....	69	22	1
Port Elgin	86	33	53	82	94.4	29	26	13	10	8	48	38	....
Port Hope	225	89	136	216	96.4	67	48	74	21	15	152	67	6
Port Perry	110	51	59	107	92.8	33	26	13	28	10	57	53	....
Port Rowan	33	12	21	33	92.6	16	11	4	2	.....	13	20	....
Prescott	164	83	81	164	93	53	43	28	24	16	124	40	....
Richmond Hill	195	86	109	174	92.5	52	66	26	27	24	72	123	....
Ridgetown	162	64	98	147	93.6	34	38	32	30	28	80	80	2
Ridgeway	118	53	65	113	94.9	41	32	30	8	7	83	35	....
Rockland	94	33	61	89	96.2	23	24	21	26	.....	72	22	....
Saltfleet	252	120	132	228	88.5	95	78	34	26	19	201	51	....
Shelburne	115	52	63	106	90.6	23	23	28	17	24	50	64	1
Simcoe	321	140	181	290	92.7	77	76	67	49	52	192	126	3
Smithville	90	36	54	98	96.4	27	24	19	10	10	56	34	....
Sterling	114	49	65	112	94.7	36	30	15	18	15	31	82	1
Streetsville	47	15	32	47	94.4	17	11	10	6	3	28	17	2
Sydenham	128	59	69	117	94.3	32	28	25	26	17	127	......	1
Thorold	334	160	174	326	94.5	130	103	49	32	20	271	58	5
Tilbury	125	62	63	114	92.2	29	37	29	22	8	74	37	14
Tillsonburg	269	124	145	268	94	79	73	55	33	29	144	41	84
Trenton	272	105	167	273	95.2	86	60	54	39	33	216	11	45
Tweed	127	65	62	124	91.2	32	31	31	16	17	49	72	6
Uxbridge	136	62	74	135	92.9	39	29	26	10	32	51	77	8
Vienna	19	4	15	20	94.6	9	4	3	3	.....	6	12	1

TABLE 29—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1938-39

HIGH SCHOOLS	ATTENDANCE					GRADE ENROLMENT					ENROLMENT BY AREA		
	May Enrolment	Male	Female	Average Daily Attendance for the Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	County Pupils	Non-Resident Pupils
In Counties													
Walkerton	139	62	77	130	95.1	35	45	31	14	14	80	58	1
Wallaceburg	219	83	136	218	94.5	80	52	47	22	18	154	47	18
Wardsville	36	16	20	32	86.1	13	12	5	6	.....	11	18	7
Waterdown	152	61	91	145	97.1	41	54	27	24	6	130	15	7
Waterford	142	66	76	137	93.2	40	37	32	12	21	48	90	4
Watford	119	45	74	118	93.1	30	28	21	22	18	45	66	8
Welland	515	234	281	459	95.1	249	88	71	67	40	197	318	....
Weston	390	212	178	391	94.3	101	97	77	77	38	235	149	6
Whitby	206	90	116	201	94.7	62	58	50	16	20	154	52	....
Wiarton	123	37	86	123	95.6	45	24	21	16	17	79	29	15
Williamstown	116	54	62	96	94.3	36	29	20	15	16	115	......	1
Winchester	122	57	65	121	93.4	38	25	34	10	15	52	48	22
Wingham	169	64	105	164	96.3	57	41	33	16	22	85	79	5
Totals	21,730	9,544	12,186	20,881	93.7	6,828	5,389	4,371	2,844	2,298	12,685	8,173	872
In Districts													
Bracebridge	204	86	118	202	94.9	52	55	37	24	36	119	80	5
Capreol	102	46	56	95	94.4	28	22	30	9	13	86	16	....
Chapleau	156	70	86	145	94.7	57	39	30	14	16	150	6	....
Cobalt	167	80	87	173	93.6	67	34	19	37	10	113	54	....
Cochrane	145	61	84	146	96.5	45	53	21	14	12	129	16	....
Copper Cliff	189	107	82	182	95.4	76	34	41	25	13	166	23	....
Dryden	122	48	74	123	94.6	46	36	16	11	13	86	36	....
Englehart	74	34	40	71	93.4	29	18	13	7	7	68	5	1
Fort Frances	286	121	165	267	97.4	80	48	67	58	33	235	51	....
Gore Bay	61	24	37	58	95.4	17	8	12	11	13	43	16	2
Gravenhurst	103	47	56	98	95.1	47	25	13	12	6	81	20	2
Haileybury	76	29	47	78	94.3	23	21	12	13	7	65	11	....
Huntsville	153	62	91	150	93.5	49	41	25	14	24	97	56	....
Iroquois Falls	149	69	80	145	98	59	43	22	15	10	66	83	....
Kapuskasing	163	73	90	165	96.1	54	43	31	23	12	146	15	2
Keewatin	90	46	44	86	93.5	30	30	17	13	.....	89	1	....
Kenora	402	174	228	396	90.6	128	122	65	61	26	387	14	1
Kirkland Lake	341	172	169	300	94.9	129	76	62	37	37	327	12	2
Mattawa	65	26	39	64	94.2	15	20	13	6	11	58	3	4
New Liskeard	176	65	111	187	91.9	53	46	37	23	17	126	50	....
Parry Sound	216	97	119	197	85.1	65	52	46	34	19	194	22	....
Rainy River	107	51	56	106	95	32	25	31	13	6	95	12	....
Sturgeon Falls	237	123	114	234	96.4	87	74	41	23	12	179	53	5
Sudbury	469	207	262	464	93.9	154	85	102	83	45	403	58	8
Thessalon	94	41	53	96	94.1	27	30	23	7	7	66	28	
Timmins	464	185	279	450	95.1	205	88	71	68	32	454	......	10
Tisdale Twp.—													
Schumacher	167	74	93	163	96	64	43	29	15	16	153	13	1
South Porcupine	147	65	82	141	95.9	65	43	27	12	.....	112	33	2
Totals	5,125	2,283	2,842	4,982	94.6	1,783	1,254	953	682	453	4,293	787	45
Totals, all High Schools	26,855	11,827	15,028	25,863	93.8	8,611	6,643	5,324	3,526	2,751	16,978	8,960	917
Grand Totals	72,247	34,523	37,724	68,591	94.2	21,738	17,518	14,441	10,595	7,955	55,953	14,727	1567
Increases for year	3,547	1,935	1,612	3,089	......	272	1,026	846	672	731	1,987	1,396	164
Decreases for year	......	......	......	......	1.5	......	......	......	......	.....	......	......	....
Percentages	......	47.8	52.2	94.9	......	30.0	24.2	20.0	14.6	11.2	77.4	20.3	2.3

TABLE 30—AGE-GRADE DISTRIBUTION, MAY, 1939

		11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 years and over	Totals	Grade Totals
GRADE IX	Boys	14	330	2,028	3,837	2,697	1,249	354	86	....	....	....	10,595	21,738
	Girls	8	419	2,613	4,223	2,668	935	233	37	6	1	....	11,143	
GRADE X	Boys	1	15	288	1,753	3,019	2,017	803	231	47	12	2	8,188	17,518
	Girls	1	18	357	2,295	3,510	2,155	770	181	32	4	7	9,330	
GRADE XI	Boys	....	1	16	284	1,366	2,332	1,604	736	225	61	27	6,652	14,441
	Girls	....	1	29	369	1,948	2,788	1,673	731	188	45	17	7,789	
GRADE XII	Boys	....	....	1	8	173	1,008	1,789	1,304	565	156	58	5,062	10,595
	Girls	....	....	....	18	278	1,401	2,032	1,252	409	103	40	5,533	
GRADE XIII	Boys	....	....	....	1	12	178	871	1,419	956	409	180	4,026	7,955
	Girls	....	....	....	....	19	272	1,093	1,448	737	246	114	3,929	
TOTALS BY SEXES	Boys	15	346	2,333	5,883	7,267	6,784	5,421	3,776	1,793	638	267	34,523	
	Girls	9	438	2,999	6,905	8,423	7,551	5,801	3,649	1,372	399	178	37,724	
GRAND TOTALS		24	784	5,332	12,788	15,690	14,335	11,222	7,425	3,165	1,037	445	72,247	

TABLE 31—FINANCIAL STATISTICS, 1938

Collegiate Institutes	Average Daily Attendance A	Major Sources of Receipts			Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness	
		Legislative Grant	For County Pupils	School District Levy (B)	Current	Capital	Current	Capital	Total	Amount (including Arrears)	Per $1,000 of assessment
In Counties		$	$	$	$	$				$	$
Barrie	543	7,111	12,604	32,260	39,886	8,539	39.5	13.8	53.3	c 92,322	19.40
Belleville	436	4,735	9,218	53,685	48,136	21,147	55.7	24.5	80.2	229,900	22.10
Brantford	848	2,420	9,134	60,450	61,793	11,198	38.1	6.9	45.0	c 301,460	11.29
Brockville	462	5,872	9,435	32,400	50,328	c 26,079	55.3	28.6	83.9	c 216,621	31.42
Chatham	490	2,468	9,832	36,762	50,093	....	55.0	....	55.0	....	....
Clinton	156	5,135	7,368	7,693	16,729	5,783	57.7	19.9	77.6	63,124	82.04
Cobourg	316	5,734	7,106	17,696	32,326	1,525	50.4	2.4	52.8	12,664	4.18
Collingwood	95	4,760	3,866	28,096	27,992	8,587	52.8	16.2	69.0	105,989	39.89
Cornwall	540	2,689	12,483	36,215	38,199	7,775	38.7	7.9	46.6	78,422	7.73
Galt	320	2,191	6,174	36,901	39,654	4,764	66.2	7.9	74.1	c 146,021	12.96
Goderich	257	6,862	5,509	15,261	22,805	3,991	47.8	8.4	56.2	40,973	17.50
Guelph	643	2,996	10,651	60,753	53,543	21,478	59.9	24.0	83.9	c 428,650	30.71
Hamilton (3)	2,483	6,769	8,489	349,622	269,293	94,747	59.7	21.0	80.7	653,944	3.95
Ingersoll	249	3,982	2,540	19,588	26,575	....	53.9	....	53.9	....	....
Kingston	942	6,147	8,355	61,312	77,131	5,635	44.0	3.2	47.2	70,000	3.61
Kitchener-Waterloo	560	2,065	3,554	53,960	48,027	12,561	44.9	11.7	56.6	120,777	3.56
Lindsay	488	6,509	9,786	24,392	36,138	5,393	38.9	5.8	44.7	43,888	10.23
London (3)	2,256	10,678	37,573	285,046	263,953	84,058	63.2	20.1	83.3	448,192	5.46
Morrisburg	151	3,487	7,421	6,273	13,337	4,554	46.4	15.8	62.2	51,608	71.68
Napanee	215	5,471	9,154	10,038	21,642	2,800	50.9	6.6	57.5	c 38,500	24.63
Niagara Falls	413	1,915	376	53,003	48,352	8,848	59.5	10.9	70.4	91,997	5.07
Orillia	428	4,618	5,921	27,983	33,568	5,492	39.7	6.5	46.2	50,587	10.30
Oshawa	622	2,376	7,129	72,400	54,944	30,874	46.2	26.0	72.2	c 363,839	13.79
Ottawa (2)	2,593	6,646	13,713	270,853	298,602	56,603	62.2	11.8	74.0	543,348	4.21
Owen Sound	379	2,801	5,170	29,452	36,419	....	49.9	....	49.9	....	....
Pembroke	223	1,964	2,984	23,555	19,067	c 8,667	46.1	20.9	67.0	c 174,869	38.56
Perth	267	6,238	11,132	12,512	27,372	3,006	53.9	5.9	59.8	c 23,625	10.22
Peterborough	556	2,094	8,241	53,206	65,313	506	63.8	.5	64.3	c 300,800	12.28
Picton	171	2,032	6,917	5,543	16,644	1,239	52.0	3.9	55.9	....	....
Renfrew	250	2,802	19,749	18,552	23,660	8,289	57.0	20.0	77.0	96,884	29.76
St. Catharines	654	3,885	14,361	73,198	71,584	19,555	56.1	15.3	71.4	c 317,999	12.81
St. Mary's	325	4,140	5,131	20,426	26,394	3,426	45.2	5.9	51.1	33,684	13.84
St. Thomas	637	3,946	5,052	50,978	58,544	3,789	50.8	3.3	54.1	11,674	.48
Sarnia	646	3,013	13,301	70,755	69,745	21,529	45.8	14.1	59.9	30,769	1.66
Scarborough	426	3,565	718	36,880	34,502	D	40.9	D	....	c 283,460	38.22
Seaforth	149	3,625	5,805	5,713	14,791	....	50.0	....	50.0	....	....
Smith's Falls	431	5,707	4,103	32,326	40,360	4,325	49.0	5.2	54.2	9,702	2.14
Stamford	410	2,631	6,628	30,563	37,668	9,413	46.4	11.6	58.0	c 98,778	12.32

TABLE 31—FINANCIAL STATISTICS, 1938

Collegiate Institutes	Average Daily Attendance A	Major Sources of Receipts			Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness	
		Legislative Grant	For County Pupils	School District Levy (n)	Current	Capital	Current	Capital	Total	Amount (including Arrears)	Per $1,000 of assessment
In Counties		$	$	$	$	$				$	$
Stratford	792	6,133	4,337	66,177	63,847	11,802	42.2	7.8	50.0	c 83,100	6.04
Strathroy	171	2,962	8,206	10,602	17,863	2,602	52.9	7.7	60.6	13,010	7.71
Toronto (10)	9,825	24,141	....	1,667,775	1,333,820	332,342	69.3	17.3	86.6	3,550,523	3.66
Vankleek Hill	150	2,640	9,418	3,000	16,066	1,036	57.4	3.7	61.1	1,036	1.94
Windsor (4)	3,049	15,933	12,646	329,679	322,953	47,341	56.7	8.3	65.0	1,775,075	18.98
Woodstock	562	4,560	6,798	38,092	47,135	c 2,413	45.1	2.3	47.4	c 6,885	.92
York East	870	8,960	....	94,288	72,281	12,407	44.3	7.6	51.9	c 319,222	21.95
York North	280	4,151	10,034	27,182	26,483	12,021	50.6	23.0	73.6	151,440	36.28
York Township (3)	2,595	30,285	33,564	217,812	208,299	64,571	42.7	13.2	55.9	806,956	27.65
Totals and Averages	40,517	261,844	411,686	4,570,908	4,323,856	1,002,710	56.2	13.0	69.2	12,282,317	6.62
In Districts											
Fort William	700	3,969	E 4,788	98,977	74,454	35,445	56.3	26.8	83.1	484,250	17.07
North Bay	549	3,923	E 1,320	43,922	39,316	8,375	36.5	7.8	44.3	61,790	6.55
Port Arthur	349	4,070	F	54,273	49,978	10,244	73.2	15.0	88.2	11,086	.43
Sault Ste. Marie	723	3,911	E 5,575	76,992	61,930	23,784	45.1	17.3	62.4	276,800	14.53
Totals and Averages	2,321	15,873	E 11,683	274,164	225,678	77,848	50.6	17.5	68.1	833,926	10.07
All Collegiate Institutes	42,838	289,400 p	....	4,845,072	4,549,534	1,080,558	55.9	13.3	69.2	13,116,243	6.76
High Schools											
In Counties											
Alexandria	129	1,593	458	19,089	11,450	....	47.4	....	47.4	....	....
Alliston	140	2,156	4,901	2,775	9,419	1,600	35.3	6.0	41.3	9,000	18.28
Almonte	123	2,507	5,453	9,388	13,817	5,583	59.4	24.0	83.4	66,942	64.44
Amherstburg	139	2,865	7,181	12,973	14,648	8,033	53.2	29.2	82.4	14,989	7.69
Arnprior	283	7,667	5,773	13,889	23,343	3,992	41.2	7.2	49.3	43,896	22.96
Arthur	153	2,744	4,665	3,979	10,304	266	36.1	.9	37.0	531	.83
Athens	130	5,278	7,146	4,274	11,979	3,274	52.7	14.4	67.1	21,053	92.34
Aurora	184	5,441	10,507	12,393	19,353	7,293	55.4	20.9	76.3	76,304	57.40
Avonmore	72	1,275	505	2,568	7,737	....	58.4	....	58.4	....	....
Aylmer	183	6,644	6,518	12,248	15,726	6,848	26.2	11.4	37.6	87,768	55.37
Beamsville	135	3,100	11,677	2,038	14,198	2,047	47.9	6.9	54.8	c50,645	68.07
Blenheim	184	13,990	9,238	6,174	17,405	4,673	48.3	13.0	61.3	40,520	50.78
Bowmanville	261	5,083	6,970	18,795	23,433	7,417	47.3	15.0	62.3	86,424	35.89

TABLE 31—FINANCIAL STATISTICS, 1938

High Schools	Average Daily Attendance A	Major Sources of Receipts			Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness	
		Legislative Grant	For County Pupils	School District Levy (B)	Current	Capital	Current	Capital	Total	Amount (including Arrears)	Per $1,000 of assessment
In Counties		$	$	$	$	$				$	$
Bradford	103	1,899	5,922	5,516	9,713	3,784	50.6	19.7	70.3	37,985	69.61
Brampton	340	3,799	12,903	18,392	29,904	7,392	48.7	12.0	60.7	57,022	16.58
Brighton	101	1,660	3,185	3,808	7,963	1,308	40.1	6.6	46.7	7,300	10.61
Burford	77	1,699	....	17,996	10,933	5,314	75.9	36.9	112.8	39,100	13.37
Burlington	301	4,179	12,000	21,661	28,737	11,170	49.3	19.1	68.4	98,627	35.64
Caledonia	168	5,934	8,744	7,222	16,161	7,222	50.6	22.6	73.2	43,331	123.80
Campbellford	194	4,348	10,104	16,108	21,265	8,462	58.4	23.2	81.6	77,210	52.66
Carleton Place	202	4,818	11,536	15,657	22,340	8,257	56.3	20.8	77.1	80,379	55.00
Cayuga	81	5,185	5,742	7,426	9,967	6,103	62.2	38.1	100.3	24,412	54.37
Chesley	122	2,947	4,445	6,003	12,249	225	50.8	.9	51.7	494	.69
Chesterville	132	2,193	3,101	2,735	8,353	....	34.8	....	34.8	12,000	24.95
Colborne	109	2,324	6,317	3,923	7,964	2,606	39.6	13.0	52.6	12,084	22.37
Deseronto	79	1,997	2,757	3,750	7,829	....	50.8	....	50.8	....	....
Dundalk	81	2,535	3,414	2,525	7,724	325	48.9	2.1	51.0	650	2.55
Dundas	224	1,980	8,570	7,200	19,412	9,219	44.0	20.9	64.9	72,599	21.87
Dunnville	186	5,699	7,657	11,031	21,490	1,842	59.4	5.1	64.5	3,449	3.13
Durham	79	3,338	3,425	9,298	10,694	3,179	68.0	20.2	88.2	15,366	22.94
Dutton	111	1,957	4,998	5,521	10,497	3,708	48.1	17.0	65.1	44,811	87.41
Elmira	144	4,130	4,471	8,000	17,351	....	65.4	....	65.4	83,000	65.51
Elora	77	1,075	3,641	1,876	6,299	238	43.8	1.6	45.4	2,237	3.35
Embrun	55	978	591	2,506	5,074	....	48.2	....	48.2	....	....
Essex	240	4,771	5,595	6,650	14,585	D	32.1	D	....	85,940	77.87
Etobicoke	306	4,793	373	36,830	34,333	9,258	57.5	15.5	73.0	105,050	29.23
Exeter	178	2,900	4,781	4,000	12,507	883	38.2	2.7	40.9	7,332	8.55
Fergus	216	4,273	7,115	9,005	17,934	6,505	42.3	15.3	57.6	80,730	57.49
Finch	86	2,384	5,883	1,577	9,667	....	59.0	....	59.0	....	....
Flesherton	88	1,464	457	6,465	7,723	....	51.3	....	51.3	....	....
Forest	110	5,180	5,074	6,710	11,448	3,210	56.0	15.7	71.7	24,784	43.43
Fort Erie	220	3,079	2,860	33,187	27,731	9,316	65.9	22.1	88.0	146,555	34.84
Gananoque	187	2,415	3,345	12,500	19,012	....	54.7	....	54.7	....	....
Georgetown	132	2,027	3,521	10,611	15,685	1,260	63.0	5.1	68.1	4,953	3.07
Glencoe	130	2,227	4,677	2,452	10,664	....	44.3	....	44.3	....	....
Grimsby	151	2,451	8,050	11,706	14,805	7,483	51.6	26.1	77.7	77,764	56.14
Hagersville	155	5,683	6,528	6,849	14,580	3,049	47.9	10.0	57.9	27,366	91.22
Hanover	144	4,053	5,206	10,796	16,700	4,816	62.6	18.0	80.6	46,113	31.96
Harriston	95	1,491	2,531	4,995	7,990	....	44.6	....	44.6	....	....
Harrow	104	826	3,848	1,605	7,103	1,605	36.0	8.1	44.1	13,330	4.86
Havelock	76	1,688	1,066	3,100	5,237	204	34.8	1.3	36.1	1,392	4.55
Hawkesbury (2)	208	4,913	3,052	12,685	22,534	....	59.1	....	59.1	....	....

TABLE 31—FINANCIAL STATISTICS, 1938

High Schools	Average Daily Attendance A	Major Sources of Receipts			Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness	
		Legislative Grant	For County Pupils	School District Levy (B)	Current	Capital	Current	Capital	Total	Amount (including Arrears)	Per $1,000 of assessment
In Counties		$	$	$	$	$				$	$
Iroquois	112	2,929	6,257	2,007	11,294	2,007	53.3	9.5	62.8	1,912	3.36
Kemptville	139	5,388	6,664	2,705	12,878	1,653	47.6	6.1	53.7	20,098	61.84
Kincardine	150	2,537	4,528	6,630	14,530	....	50.8	....	50.8	....	....
Kingsville	151	1,722	3,422	12,837	12,900	4,456	43.1	14.9	58.0	25,882	15.18
Lakefield	95	2,779	3,259	3,100	9,187	....	51.7	....	51.7	....	....
Leamington	337	2,197	6,161	31,425	22,095	12,070	34.7	19.0	53.7	38,311	10.21
Listowel	200	2,932	5,412	7,976	16,190	1,376	41.8	3.6	45.4	9,566	6.13
Lucan	76	2,591	4,411	3,250	8,635	....	61.3	....	61.3	....	....
Lucknow	95	2,400	2,869	2,655	6,734	....	36.0	....	36.0	....	....
Madoc	130	4,138	4,798	4,360	10,369	2,820	42.1	11.5	53.6	26,367	67.23
Markdale	96	2,548	2,898	2,800	9,024	....	57.4	....	57.4	....	....
Markham	165	4,727	7,691	4,454	15,072	2,072	46.0	6.3	52.3	3,466	8.10
Marmora	103	2,996	3,110	1,408	7,648	590	38.9	3.0	41.9	1,180	4.93
Maxville	118	2,596	4,594	2,222	8,680	1,022	38.6	4.5	43.1	6,214	18.81
Meaford	173	4,968	4,559	5,104	15,698	5,104	45.9	14.9	60.8	33,678	37.73
Merritton	168	7,430	1,660	11,702	14,537	6,072	45.1	18.8	63.9	68,547	36.52
Midland	378	3,348	4,243	28,069	26,682	9,175	36.6	12.6	49.2	109,200	19.39
Milton	156	1,874	9,630	22,487	15,398	7,087	51.4	23.6	75.0	57,522	38.69
Mimico	763	12,470	25,587	30,722	56,071	22,900	41.5	16.9	58.4	206,861	45.95
Mitchell	132	2,939	4,883	6,690	14,460	3,480	44.1	10.6	54.7	34,500	36.31
Morewood	38	4,959	3,085	748	8,440	....	112.1	....	112.1	....	....
Mount Forest	112	1,866	2,852	5,700	10,252	....	46.3	....	46.3	....	....
Nepean	475	3,435	3,309	43,409	35,036	15,109	40.5	17.5	58.0	144,964	24.98
Newburgh	66	1,970	4,372	1,100	7,215	....	58.1	....	58.1	....	....
Newmarket	273	5,425	12,521	9,160	27,317	9,160	51.0	17.1	68.1	46,500	19.80
Newcastle	32	844	1,199	2,174	4,467	....	74.0	....	74.0	....	....
Niagara	71	1,594	2,783	6,560	10,095	856	78.5	6.6	85.1	5,265	6.65
Norwich	115	2,836	5,050	7,014	11,462	2,833	52.2	12.9	65.1	21,537	32.29
Norwood	102	2,960	1,911	2,489	10,397	....	51.6	....	51.6	....	....
Oakville	245	2,169	10,982	15,126	22,637	3,575	46.2	7.3	53.5	37,432	12.25
Omemee	54	864	1,166	1,628	3,888	149	37.4	1.4	38.8	....	....
Orangeville	158	3,446	2,440	8,877	15,649	460	53.4	1.6	55.0	862	.74
Paris	200	2,392	3,255	17,794	20,494	5,573	54.1	14.7	68.8	56,117	18.25
Parkhill	91	1,512	3,918	1,300	7,223	....	41.3	....	41.3	....	....
Penetanguishene	153	2,825	3,893	2,991	10,137	D	33.9	D	....	4,072	3.36
Petrolia	201	4,934	8,711	12,325	17,781	8,707	51.6	25.3	76.9	56,714	40.10
Plantagenet	112	1,428	3,238	4,208	8,809	2,006	42.3	9.6	51.9	25,979	16.63
Port Colborne	352	3,044	12,175	31,755	33,228	12,255	47.2	17.4	64.6	94,150	19.78
Port Credit	377	5,964	21,660	11,177	26,873	13,073	37.6	18.3	55.9	164,500	150.47

TABLE 31—FINANCIAL STATISTICS, 1938

High Schools	Average Daily Attendance A	Major Sources of Receipts			Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness	
		Legislative Grant	For County Pupils	School District Levy (B)	Current	Capital	Current	Capital	Total	Amount (including Arrears)	Per $1,000 of assessment
In Counties		$	$	$	$	$				$	$
Port Dover	88	1,095	1,426	4 054	5,999	615	35.9	3.7	39.6	3,161	2.38
Port Elgin	93	2,252	2,852	1,500	8,259	....	48.2	....	48.2	....	....
Port Hope	233	3,638	5,606	12,207	23,285	4,173	53.4	9.6	63.0	26,968	10.58
Port Perry	114	4,532	6,820	6,058	13,562	3,008	63.3	14.0	77.3	29,845	46.54
Port Rowan	30	801	1,688	1,555	4,136	....	75.2	....	75.2	....	....
Prescott	159	2,684	4,049	17,295	14,782	6,783	47.0	21.6	68.6	85,505	54.55
Richmond Hill	185	3,264	13,003	7,623	17,924	7,034	51.1	20.1	71.2	73,756	80.07
Ridgetown	161	3,715	6,976	7,310	15,902	....	53.8	....	53.8	....	....
Ridgeway	111	2,659	7,837	13,154	14,584	7,535	68.4	35.3	103.7	90,409	50.61
Rockland	96	2,933	2,058	2,025	7,574	....	42.9	....	42.9	....	....
Saltfleet	168	1,791	7,084	10,882	14,762	6,419	44.3	19.3	63.6	44,090	9.60
Shelburne	114	3,261	5,551	4,600	10,237	2,732	45.7	12.2	57.9	49,179	86.27
Simcoe	305	2,571	9,669	13,200	22,139	6,129	37.8	10.4	48.2	c 67,295	14.78
Smithville	92	1,657	3,094	4,275	8,154	1,925	47.8	11.3	59.1	11,548	13.48
Stirling	103	8,389	6,176	3,751	11,827	1,251	61.3	6.5	67.8	20,967	55.47
Streetsville	50	1,826	3,129	2,812	7,323	....	76.9	....	76.9	....	....
Sydenham	122	1,414	....	10,000	10,187	....	42.3	....	42.3	....	....
Thorold	154	5,125	2,450	14,960	23,591	D	39.6	D	....	80,302	28.38
Tilbury	115	2,445	3,256	5,100	8,758	....	40.1	....	40.1	....	....
Tillsonburg	265	3,870	5,975	11,613	19,878	2,613	39.4	5.2	44.6	23,327	12.93
Trenton	265	2,370	2,999	19,213	20,847	4,232	42.2	8.6	50.8	27,889	8.03
Tweed	128	3,321	5,855	5,013	10,803	3,138	45.2	13.1	58.3	....	....
Uxbridge	134	1,765	8,299	10,841	11,718	6,330	44.2	23.9	68.1	97,291	149.76
Vienna	23	1,304	....	1,650	3,419	....	75.0	....	75.0	....	....
Walkerton	136	3,256	4,788	1,200	14,992	....	58.4	....	58.4	....	....
Wallaceburg	214	3,275	5,118	14,193	18,463	2,893	47.1	7.4	54.5	5,052	2.79
Wardsville	33	708	1,616	514	2,732	....	42.4	....	42.4	....	....
Waterdown	144	1,979	5,654	9,654	17,738	4,293	62.0	15.0	77.0	52,034	16.34
Waterford	125	2,214	7,840	8,200	10,662	1,548	44.0	6.4	50.4	51,309	67.38
Watford	121	3,569	6,154	4,500	9,881	3,210	41.7	13.5	55.2	28,987	71.93
Welland	354	1,909	18,763	40,436	45,075	7,330	64.4	10.5	74.9	c 218,271	22.11
Weston	397	8,378	11,754	37,312	38,749	G 5,676	27.9	3.9	31.8	c 146,649	46.39
Whitby	151	4,181	5,487	10,400	21,160	4,135	57.1	11.1	68.2	43,026	16.78
Wiarton	113	2,810	2,764	4,255	9,654	1,255	48.8	6.3	55.1	11,444	19.88
Williamstown	106	1,306	....	11,335	6,411	....	32.6	....	32.6	....	....
Winchester	125	3,264	5,495	2,420	12,686	420	52.9	1.7	54.6	1,682	3.68
Wingham	158	3,440	5,479	5,540	14,038	340	47.7	1.1	48.8	909	1.02
Totals and Averages	20,357	420,582	700,576 H	1,199,248	1,886,342	429,656	47.3	10.8	58.1	4,423,719	22.69

TABLE 31—FINANCIAL STATISTICS, 1938

High Schools	Average Daily Attendance A	Major Sources of Receipts			Disbursements		Cost per Pupil-Day (in cents)			Debenture Indebtedness	
		Legislative Grants		School District Levy (B)	Current	Capital	Current	Capital	Total	Amount (including Arrears)	Per $1,000 of assessment
		Ordinary	District								
In Districts		$	$	$	$	$				$	$
Bracebridge	196	4,045	4,086	11,645	13,330	6,109	35.9	16.4	52.3	66,583	63.03
Capreol	93	2,134	I	7,386	7,546	2,086	43.7	12.1	55.8	16,691	20.39
Chapleau	150	4,263	....	14,940	15,310	3,440	51.6	11.6	63.2	37,377	38.12
Cobalt	155	6,622	896	10,901	18,848	D	64.7	D	....	39,757	62.48
Cochrane	159	3,727	1,743	16,480	16,385	4,012	54.3	13.3	67.6	28,518	15.51
Copper Cliff	165	15,349	1,464	17,002	22,268	12,802	70.3	40.4	110.7	195,198	39.03
Dryden	115	2,406	....	6,200	8,912	....	41.7	....	41.7	....	....
Englehart	72	2,094	....	4,002	5,931	....	43.6	....	43.6	....	....
Fort Frances	252	3,942	4,209	34,031	21,469	C 18,161	45.6	38.6	84.2	C 99,461	24.15
Gore Bay	56	1,848	....	4,038	4,615	1,038	43.0	9.7	52.7	8,000	31.62
Gravenhurst	93	1,184	1,434	6,500	9,068	....	52.7	....	52.7	....	....
Haileybury	76	3,307	J	7,190	12,684	....	83.9	....	83.9	....	....
Huntsville	144	3,003	2,621	8,531	9,732	2,971	36.6	11.2	47.8	14,324	11.80
Iroquois Falls	131	2,584	8,872	13,775	19,907	N 5,620	81.5	23.0	104.5	....	....
Kapuskasing	157	13,559	K	31,634	22,561	8,574	74.7	28.4	103.1	82,832	16.88
Keewatin	81	2,173	....	4,800	6,877	....	43.1	....	43.1	....	....
Kenora	378	5,371	L	40,055	32,506	10,610	43.9	14.3	58.2	138,600	27.40
Kirkland Lake	296	3,799	....	33,158	31,231	4,629	55.5	8.2	53.7	C 153,124	24.53
Mattawa	67	1,939	181	3,440	4,830	....	37.9	....	37.9	....	....
New Liskeard	190	3,917	4,073	15,868	22,133	618	63.0	1.8	64.8	1,651	.91
Parry Sound	185	3,852	....	12,021	14,833	1,041	43.1	3.0	46.1	....	....
Rainy River	100	2,772	M	5,822	8,728	....	44.3	....	44.3	....	....
Schumacher South Porcupine	275	7,071	1,678	57,832	37,752	24,740	72.7	47.6	120.3	134,377	34.18
Sturgeon Falls	229	3,221	1,415	15,996	19,311	1,440	43.7	....	43.7	5,760	2.79
Sudbury	311	3,505	4,038	36,277	39,439	2,277	64.1	3.7	67.8	....	....
Thessalon	95	2,467	1,385	4,285	7,844	1,135	43.3	6.3	49.6	27,231	73.49
Timmins	435	4,226	....	52,439	44,978	9,251	53.0	10.9	63.9	100,042	10.71
Totals and Averages	4,656	114,380	38,095	476,248	479,028	120,554	53.8	13.6	67.4	1,149,526	15.06
All High Schools	25,013	573,057	....	1,675,496	2,365,370	550,210	48.5	11.3	59.8	5,573,245	20.54
Grand Totals	67,851	862,457 P	....	6,520,568	6,914,904	1,630,768	53.1	12.5	65.6	18,689,488	8.46

A Average Daily Attendance for Calendar year.
B Includes Debenture Levy.
C Combined Debt of Academic and Vocational Schools.
D In Default.
E In the Districts, the Provincial Government assumes 80% of the cost of tuition of non-resident pupils.
F District grant of $2,069 not received till 1939.
G Not including $38,192 of arrears paid off on Combined School.
H Total County grants to Collegiates and High Schools, $1,112,173.
I $1,102.91 not received till 1939.
J $1,711.68 not received till 1939.
K $1,647.68 not received till 1939.
L $703.32 not received till 1939.
M $531.22 not received till 1939.
N Rent.
P Including District Grant.

THE VOCATIONAL

TABLE 32—DAY SCHOOLS—TEACHERS; PUPILS; MAY

Schools	Type of School	Teachers: Full-Time		Teachers: Part-Time and Occasional		Complete May Enrolment				Full-Time	
		Male	Female	Male	Female	Totals	Male	Female	Percentage Attendance Efficiency	Totals	Male
In Counties											
1 Barrie	AC	.....	2	3	1	49	15	34	91.0	49	15
2 Beamsville	A.AGR.	.....	.....	4	5	24	13	11	86.9	24	13
3 Belleville	ACT	7	4	7	3	398	196	202	94.4	398	196
4 Brantford	ACT	9	6	12	8	469	302	167	92.7	469	302
5 Brockville	AC	1	2	7	5	138	59	79	91.5	138	59
6 Chatham	CT	8	8	.....	1	441	213	228	94.7	441	213
7 Cornwall	AC	5	2	5	6	220	125	95	93.9	217	122
8 Fort Erie	ACT	1	2	.....	.....	106	50	56	96.4	106	50
9 Galt	ACT	8	5	3	5	291	155	136	93.9	291	155
10 Guelph	ACT	7	5	2	2	400	192	208	92.5	400	192
11 Hamilton—Commerce	COM.	13	20	.....	.....	1,087	246	841	95.6	1,087	246
12 Technical	T	49	16	.....	1	1,568	1,194	374	93.3	1,481	1,107
13 Westdale	ACT	26	9	1	3	932	501	431	92.4	932	501
14 Kemptville	ACT	.....	.....	1	1	121	61	60	93.3	121	61
15 Kingston	ACT	11	6	.....	.....	625	326	299	93.2	625	326
16 Kitchener	ACT	12	5	6	5	581	308	273	93.7	581	308
17 London	CT	42	13	.....	.....	1,818	965	853	93.9	1,818	965
18 Napanee	AC	.....	3	3	1	64	14	50	90.8	64	14
19 Niagara Falls	ACT	2	2	13	7	389	205	184	94.2	389	205
20 Oshawa	ACT	9	6	6	5	593	294	299	94.9	593	294
21 Ottawa—Technical	T	42	2	2	.....	1,655	1,579	76	91.9	1,562	1,534
22 Commerce	COM.	26	17	2	.....	1,389	303	1,086	92.8	1,389	303
23 Owen Sound	ACT	5	4	6	5	235	82	153	93.8	235	82
24 Pembroke	AC	.....	1	4	2	147	55	92	92.9	147	55
25 Perth	AC	1	1	2	1	105	43	62	93.6	105	43
26 Peterborough	ACT	8	4	8	7	466	243	223	95.6	466	243
27 Picton	AC	.....	2	3	2	56	23	33	93	56	23
28 Renfrew	ACT	1	3	3	3	128	75	53	93.8	128	75
29 Ridgetown	A.AGR.	.....	.....	6	5	66	27	39	92.2	66	27
30 St. Catharines	ACT	5	5	11	9	384	162	222	92.2	384	162
31 St. Thomas	CT	9	9	1	.....	401	183	218	94	401	183
32 Sarnia	ACT	7	6	12	6	553	259	294	92.8	553	259
33 Scarborough	AC	1	2	6	5	136	45	91	91.9	136	45
34 Simcoe	AC	.....	1	7	4	127	66	61	92.7	127	66
35 Stamford	ACT	2	3	7	1	261	159	102	93	261	159
36 Stratford	AC	.....	2	6	2	210	94	116	94.3	210	94
37 Toronto—Central Technical	T	68	30	6	2	3,093	2,277	816	92.3	2,807	2,094
38 Danforth Technical	T	50	16	4	3	1,814	1,382	432	92.6	1,810	1,378
39 Central Commerce	COM.	29	17	.....	.....	1,860	459	1,401	94.7	1,794	430
40 Eastern Commerce	COM.	39	16	.....	.....	1,792	504	1,288	91.2	1,792	504
41 Northern Vocational	CT	56	29	.....	1	2,586	1,186	1,400	91.8	2,586	1,186
42 Western Vocational	CT	70	19	1	2	2,378	1,092	1,286	91.7	2,378	1,092
43 Welland	ACT	8	6	5	7	428	292	136	94.5	428	292
44 Weston	ACT	11	8	1	1	460	299	161	91.4	460	299
45 Windsor	CT	43	21	.....	.....	1,870	1,136	734	95.2	1,870	1,136
46 Woodstock	AC	1	2	2	4	109	40	69	93.1	109	40
47 East York	AC	4	5	9	8	538	136	402	92.6	538	136
48 North York	AC	1	1	3	2	160	53	107	93.7	160	53
49 York—Runnymede	AC	2	.....	3	3	139	33	106	88.7	139	33
50 Vaughan Road	AC	1	4	9	4	261	49	212	91.6	261	49
51 York Memorial	AC	3	2	5	4	231	56	175	92.1	231	56
Totals	.....	703	354	207	152	34,352	17,826	16,526	92.9	33,813	17,475
In Districts											
1 Fort Frances	AC	1	2	4	5	148	65	83	96.5	148	65
2 Fort William	CT	20	12	.....	.....	769	406	363	91.5	769	406
3 Haileybury	AM	2	.....	3	2	71	71	.....	94.1	71	71
4 Kirkland Lake	ACT	6	3	10	3	293	144	149	93.9	293	144
5 North Bay	ACT	10	3	1	3	304	183	121	94.4	304	183
6 Port Arthur	CT	15	14	1	.....	694	354	340	94.8	694	354
7 Sault Ste. Marie	CT	12	7	1	1	667	318	349	92.0	663	315
8 Sudbury	CT	14	10	.....	.....	515	262	253	95.6	515	262
9 Timmins	ACT	7	5	5	7	344	206	138	92.3	344	206
Totals	.....	87	56	25	21	3,805	2,009	1,796	93.7	3,801	2,006
Grand Totals	.....	790	410	232	173	38,157	19,835	18,322	93.0	37,614	19,481
Increases for the year	.....	20	.....	50	24	1,875	1,892	.....	.....	2,722	2,076
Decreases for the year	.....	.....	20	.....	.....	.....	.....	17	.3	.....	.....
Percentages	.....	.....	.....	.....	.....	.....	52.0	48.0	.....	.....	51.8

The Navigation Schools had enrolments of Collingwood (35), and Kingston (22), respectively.

Type of school—ACT —Composite (academic, commercial and technical)
AC —Combined academic and commercial
CT —Combined Vocational (commercial and technical)
A.AGR.—Academic, and Vocational Agricultural School
COM.—Commercial
T —Technical
N —Navigation
AM —Academic and Mining School

SCHOOLS

ENROLMENT, ATTENDANCE, GRADE DISTRIBUTION, 1938-39

	Pupils														
	May Enrolment		May Full-Time Enrolment Classified as			Grade Distribution of Full-Time Pupils							Complete Enrolment by Areas		
	Female	Aver. Daily Attendance for year	Commercial	Industrial	Grade IX	Preparatory	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Special	Resident	County or District	Non-Resident
1	34	51	49	......	....	......	......	32	17	......	......	......	33	16	.....
2	11	27	......	24	....	......	......	18	6	......	......	......	8	16	.....
3	202	348	153	245	....	......	136	156	44	18	......	44	297	84	17
4	167	473	189	290	....	5	136	158	127	43	......	......	382	74	13
5	79	125	138	......	....	......	22	55	27	14	......	20	118	20	.....
6	228	323	275	166	....	......	119	84	61	37	......	140	281	159	1
7	95	190	117	100	....	......	......	105	97	15	......	......	130	79	11
8	56	117	106	......	....	......	......	43	47	6	......	10	103	3	.....
9	136	320	163	128	....	......	111	87	64	7	......	22	210	68	13
10	208	353	235	165	....	......	133	135	73	......	......	59	337	56	7
11	841	1,089	1,087	......	....	......	419	317	196	100	......	55	1,071	16	.....
12	374	1,541	1,568	......	....	208	661	333	194	8	5	72	1,538	25	5
13	431	922	409	523	....	34	342	260	178	64	......	54	870	59	3
14	60	116	......	121	....	......	60	37	24	......	......	......	50	69	2
15	299	603	167	84	374	......	374	126	87	......	......	38	471	149	5
16	273	602	401	180	....	......	71	191	38	172	30	79	505	71	5
17	853	1,433	806	1,012	....	155	542	466	243	134	14	264	1,492	304	22
18	50	59	64	......	....	......	......	23	16	......	......	25	35	27	2
19	184	373	185	204	....	......	152	142	95	......	......	......	363	14	12
20	299	619	140	178	275	......	275	176	142	......	......	......	499	86	8
21	28	1,411	......	1,562	....	46	432	443	335	216	45	45	1,441	208	6
22	1,086	1,400	1,389	......	....	......	483	396	335	175	......	......	1,341	46	2
23	153	217	142	93	....	......	83	56	34	14	......	48	194	36	5
24	92	122	147	......	....	......	57	51	25	11	......	3	125	19	3
25	62	94	105	......	....	......	28	30	17	......	......	30	56	49	.....
26	223	446	238	228	....	......	179	141	91	16	......	39	332	128	6
27	33	55	56	......	....	......	33	23	......	......	......	......	31	25	.....
28	53	110	98	30	....	......	53	33	16	......	......	26	90	38	.....
29	39	67	......	......	....	......	31	17	18	......	......	......	23	42	1
30	222	388	240	144	....	......	......	187	111	62	......	24	367	16	1
31	218	390	192	209	....	......	112	106	89	66	......	28	293	106	2
32	294	556	185	368	....	......	236	129	87	101	......	......	414	137	2
33	91	141	136	......	....	......	72	64	......	......	......	......	132	1	3
34	61	122	......	127	....	......	69	38	20	......	......	......	53	74	.....
35	102	231	155	106	....	......	43	35	73	110	......	......	176	42	43
36	116	215	210	......	....	......	79	55	37	......	......	39	193	13	4
37	713	2,221	......	2,807	....	191	1,062	699	421	228	184	22	2,971	25	97
38	432	1,720	......	1,810	....	18	724	506	333	190	28	11	1,711	97	6
39	1,364	1,413	1,794	......	....	......	568	539	337	175	43	132	1,857	......	3
40	1,288	1,620	1,792	......	....	......	594	596	395	142	......	65	1,789	......	3
41	1,400	2,085	1,493	1,093	....	94	670	727	382	254	89	370	2,514	......	72
42	1,286	2,614	1,258	1,120	....	65	877	705	342	191	18	180	2,344	......	34
43	136	342	157	271	....	......	98	171	137	8	......	14	208	219	1
44	161	482	129	331	....	......	225	142	64	20	......	9	71	385	4
45	734	1,777	701	1,169	....	......	551	548	393	357	21	......	1,711	156	3
46	69	105	109	......	....	......	......	46	22	7	......	34	80	29	.....
47	402	535	538	......	....	......	233	131	76	31	......	67	536	2	.....
48	107	162	160	......	....	......	76	55	29	......	......	......	120	40	.....
49	106	135	139	......	....	......	......	49	30	19	......	41	115	22	2
50	212	251	261	......	....	......	......	127	68	35	31	......	240	21	.....
51	175	240	231	......	....	......	......	125	73	10	......	23	231	......	.....
	16,338	31,351	18,307	14,888	649	816	11,221	9,914	6,166	3,056	508	2,132	30,552	3,371	429
1	83	141	68	80	....	......	60	44	44	......	......	......	130	18	.....
2	363	703	376	393	....	......	321	211	91	146	......	......	672	97	.....
3	......	......	......	71	....	......	23	21	19	8	......	......	31	36	4
4	149	247	142	151	....	......	81	126	68	10	......	8	277	......	16
5	121	261	168	136	....	......	......	149	108	......	......	47	259	32	13
6	340	617	220	194	....	217	205	......	153	88	9	22	656	......	38
7	348	509	352	311	....	......	216	158	86	39	93	71	580	86	1
8	253	485	284	231	....	......	210	196	80	29	......	......	444	......	71
9	138	365	178	166	....	......	112	134	60	38	......	......	307	......	37
	1,795	3,328	1,788	1,733	....	217	1,228	1,039	709	358	102	148	3,356	269	180
	18,133	34,679	20,095	16,621	649	1,033	12,449	10,953	6,875	3,414	610	2,280	33,908	3,640	609
	646	1,580	......	......	....	246	......	936	851	864	148	......	1,596	325	.....
	......	......	......	......	....	......	194	......	......	......	......	129	......	......	46
	48.2	92.2	53.4	44.2	2.4	2.7	33.1	29.1	18.3	9.1	1.6	6.1	88.9	9.5	1.6

TABLE 33—AGE-GRADE DISTRIBUTION OF FULL-TIME PUPILS, MAY, 1939

		11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 years and over	Totals	Grade Totals
PREPARATORY..........	Boys	....	1	29	74	304	310	91	7	1	....	2	819	1,033
	Girls	....	....	3	31	66	93	18	3	....	....	....	214	
GRADE IX..............	Boys	1	44	1,822	2,172	1,814	950	134	25	1	4	....	6,967	12,449
	Girls	3	65	700	1,765	1,713	873	310	39	10	1	3	5,482	
GRADE X...............	Boys	....	3	34	502	1,486	1,674	1,159	522	133	29	14	5,556	10,953
	Girls	....	3	46	699	1,783	1,663	880	251	57	9	6	5,397	
GRADE XI..............	Boys	....	....	4	29	297	930	959	723	300	82	55	3,379	6,875
	Girls	....	....	2	43	528	1,172	994	485	204	55	13	3,496	
GRADE XII.............	Boys	....	....	....	1	11	123	433	472	310	119	52	1,521	3,414
	Girls	....	....	....	4	35	308	613	501	280	94	58	1,893	
GRADE XIII.............	Boys	....	....	....	1	6	8	39	84	89	57	34	318	610
	Girls	....	....	....	2	4	24	47	86	62	37	30	292	
SPECIAL................	Boys	....	....	....	3	26	83	180	232	209	104	84	921	2,280
	Girls	....	....	1	4	26	124	284	401	296	123	100	1,359	
TOTALS BY SEXES...	Boys	1	48	1,889	2,782	3,944	4,078	2,995	2,065	1,043	395	241	19,481	
	Girls	3	68	752	2,518	4,155	4,257	3,146	1,766	909	319	210	18,133	
GRAND TOTALS...........		4	116	2,641	5,330	8,099	8,335	6,141	3,831	1,952	714	451	37,614	

TABLE 34—DAY SCHOOLS—NUMBER OF STUDENTS IN THE FOLLOWING SUBJECTS OF STUDY, 1938-39

SCHOOLS	English	Mathematics	Science	History and Civics	French	Draughting	Shopwork	Art and Design	Domestic Science	Domestic Arts	Commercial Work	Agriculture	Music
In Counties													
Barrie	49	49	16	32	32	32	32	32	32	32	49	49	32
Beamsville	24	24	24	24	......	......	13	......	11	.....	......	24	......
Belleville	398	352	103	388	151	140	185	181	158	158	303	159	249
Brantford	469	469	280	358	98	256	262	11	57	57	189	....	39
Brockville	138	138	77	138	......	28	38	77	68	.....	138	77	77
Chatham	404	307	191	281	17	116	165	144	204	204	299	....	119
Cornwall	196	196	96	173	104	96	96	......	4	.....	117	....	......
Fort Erie	96	96	96	106	......	......	36	......	30	.....	106	....	4
Galt	269	287	249	291	......	130	130	90	87	87	173	....	111
Guelph	400	400	215	390	......	165	185	80	130	130	235	....	168
Hamilton—													
Technical	1,549	1,541	1,481	1,517	118	1,169	1,063	351	350	412	231	....	165
Commerce	1,032	840	419	836	......	......	......	......	662	662	1,087	....	341
Westdale	922	910	603	615	196	459	469	435	241	263	262	....	359
Kemptville	......	......	......	......	......	......	51	......	46	.....	......	120	......
Kingston	602	601	485	602	374	290	318	......	258	258	542	....	......
Kitchener-Waterloo	511	480	400	420	......	188	198	......	375	375	472	....	147
London	1,500	1,450	1,119	1,221	172	718	791	226	385	387	851	....	929
Napanee	64	39	......	39	......	......	6	......	.....	.....	64	....	48
Niagara Falls	365	389	335	335	174	181	181	191	130	130	261	....	166
Oshawa	563	563	453	563	314	284	287	175	195	195	446	....	383
Ottawa—													
Technical	1,506	1,506	1,506	1,506	665	1,341	1,486	996	.....	.....	......	....	942
Commercial	1,389	1,051	1,246	1,389	283	151	151	462	782	782	1,389	....	385
Owen Sound	185	185	154	185	......	72	73	73	82	107	142	....	114
Pembroke	126	108	57	128	78	......	......	108	.....	.....	147	....	108
Perth	105	75	......	100	......	43	43	......	62	.....	105	58	......
Peterborough	460	354	332	406	211	192	205	223	190	21	149	....	211
Picton	49	52	20	29	......	......	......	29	.....	.....	55	14	......
Renfrew	104	92	58	61	......	......	40	......	13	.....	98	30	49
Ridgetown	66	48	66	31	31	......	27	42	39	.....	......	66	48
St. Catharines	384	384	247	384	......	115	115	29	29	29	240	....	......
St. Thomas	350	348	334	346	8	163	163	93	116	116	138	58	112
Sarnia	553	553	452	426	73	228	228	186	196	197	399	....	240
Scarboro	133	92	58	128	45	......	......	20	.....	.....	136	....	26
Simcoe	127	124	......	127	27	29	66	69	61	61	......	126	127
Stamford	151	261	151	261	......	109	109	......	.....	.....	155	109	78
Stratford	210	210	101	134	149	......	47	79	32	.....	131	....	79
Toronto—													
Central Technical	2,771	2,639	2,672	2,653	231	1,828	2,117	1,122	546	468	1,163	....	807
Danforth Technical	1,805	1,702	1,667	1,782	553	1,281	1,312	975	358	383	......	....	975
Western Technical	1,120	1,057	1,057	1,102	257	718	743	646	215	247	421	....	486
Western Commerce	1,258	1,007	890	1,191	326	......	123	169	278	203	1,258	....	161
Central Commerce	1,860	1,757	718	1,516	1,414	......	......	248	.....	.....	1,860	....	568
Eastern Commerce	1,792	1,405	1,338	1,730	1,692	......	......	590	.....	.....	1,792	....	590
North'n Vocational	2,586	2,194	2,255	2,255	1,473	364	507	1,054	693	693	1,657	....	620
Welland	414	303	353	333	......	239	251	79	79	18	157	....	171
Weston	424	381	416	416	......	273	287	104	82	82	156	....	332
Windsor	1,849	1,310	1,408	1,636	366	1,148	1,171	144	271	271	701	....	779
Woodstock	68	109	46	75	68	......	23	......	23	.....	109	....	......
York East	507	407	340	462	471	......	......	......	.....	.....	538	....	364
York North	160	160	76	160	76	......	......	......	.....	.....	160	....	131
York Twp.—													
Runnymede	139	121	......	76	......	......	......	......	.....	.....	139	....	......
Vaughan Road	261	226	......	230	230	......	......	......	.....	.....	261	....	......
Memorial	208	221	125	125	208	......	......	25	.....	.....	231	....	25
Totals	32,671	29,573	24,785	29,712	10,685	12.546	13,793	9,558	7,570	7,028	19,712	890	11,865
In Districts													
Fort Frances	138	148	103	106	......	53	53	56	27	.....	68	....	......
Fort William	743	769	510	759	45	428	428	215	323	323	523	....	544
Haileybury	66	67	71	43	24	63	23	......	.....	.....	......	....	......
Kirkland Lake	285	288	187	285	......	151	163	54	160	160	172	....	54
North Bay	293	298	129	294	......	113	160	23	75	23	167	....	......
Port Arthur	633	605	531	495	149	281	281	182	182	182	243	....	412
Sault Ste. Marie	587	456	325	452	81	237	265	68	133	133	386	....	216
Sudbury	515	515	254	406	133	231	195	137	177	.....	261	....	193
Timmins	348	348	288	310	......	170	170	......	94	94	138	....	194
Totals	3,610	3,494	2,398	3,150	432	1,727	1,898	735	1,171	915	1,958	....	1,615
Grand Totals	36,281	33,067	27,183	32,862	11,117	14,273	15,691	10,293	8,741	7,943	21,670	890	13,480

TABLE 35—FINANCIAL STATISTICS, DAY SCHOOLS, 1938

Schools	Average Daily Attendance for Calendar Year	Major Sources of Receipts				Disbursements		Cost per Pupil-Day (cents)			Debenture Indebtedness (Including any Arrears)	
		Legislative Grants		County Grants and Non-Res. Fees A	School District Levy	Current	Capital	Current	Capital	Total	Amount	Per $1,000 of Assessment
		Ordinary	Building									
In Counties		$	$	$	$	$	$				$	$ c.
Barrie	57	1,478	....	1,259	4,500	5,544	5,382	52.7	51.1	103.8	c	....
Beamsville	56	1,969	2,096	3,596	5,621	5,881	5,900	52.8	52.9	105.7	c	....
Belleville	327	9,604	10,192	9,209	30,910	41,417	15,457	63.9	23.8	87.7	229,900	22.10
Brantford	532	12,174	5,301	8,148	45,337	58,149	12,165	56.4	11.8	68.2	c	....
Brockville	46	2,705	....	1,188	9,200	10,902	c	121.5	c	121.5	c	....
Chatham	331	10,317	9,458	12,781	38,661	49,357	19,012	76.7	31.4	108.1	19,012	1.32
Cornwall	190	4,398	....	6,124	9,560	25,741	3,250	69.1	8.7	77.8	261,500	25.76
Fort Erie	110	1,984	....	1,430	12,210	10,780	4,658	51.2	22.1	73.3	73,277	17.42
Galt	295	8,935	12,843	8,485	38,263	39,127	29,743	71.7	54.5	126.2	c	....
Guelph	384	9,828	10,091	6,126	29,547	39,908	14,318	66.3	23.8	90.1	c	....
Hamilton (3)	3,441	66,488	34,812	12,710	490,014	421,276	200,198	67.7	32.2	99.9	1,759,505	10.64
Kemptville D	116	1,472	....	....	1,548	2,516	....	11.7	....	11.7	c	....
Kingston	253	10,648	9,823	8,429	50,949	46,853	23,963	98.5	50.4	148.9	366,803	18.90
Kitchener-Waterloo	635	13,664	9,291	4,359	25,150	74,681	12,246	61.6	11.7	73.3	124,684	3.67
London	1,415	28,699	11,212	30,228	152,901	175,210	41,501	64.0	15.1	79.1	268,257	3.27
Napanee	58	2,042	....	4,737	2,179	7,583	700	65.8	6.1	71.9	c	....
Niagara Falls	381	11,992	1,431	6,070	38,678	44,304	15,464	59.0	20.6	79.6	34,277	1.89
Oshawa	544	11,663	11,209	7,783	57,265	54,640	25,442	52.6	24.5	77.1	c	....
Ottawa (2)	2,651	44,703	....	30,418	239,925	290,596	51,110	56.7	10.0	66.7	506,910	4.93
Owen Sound	238	8,161	8,346	4,075	27,418	34,649	21,438	88.9	55.0	143.9	84,897	9.97
Pembroke	127	1,888	....	1,837	8,017	9,991	c	42.6	c	42.6	c	....
Perth	90	1,455	....	3,840	2,747	7,039	1,002	41.4	5.9	47.3	c	....
Peterborough	434	12,922	8,950	11,248	53,280	58,129	22,980	72.7	28.7	101.4	c	....
Picton	61	1,918	....	4,231	1,886	7,802	....	65.5	....	65.5	....	....
Renfrew	104	5,121	2,987	4,848	10,303	17,262	5,472	89.7	28.4	118.1	48,442	14.88
Ridgetown	71	4,644	....	4,035	2,925	11,243	....	86.0	....	86.0	....	....
St. Catharines	567	14,319	....	10,693	71,578	70,448	18,570	63.7	16.8	80.5	c	....
St. Thomas	426	12,593	8,956	6,526	61,525	60,001	19,525	72.6	23.6	96.2	202,915	14.33
Sarnia	561	13,176	....	14,157	62,743	63,933	19,092	84.8	25.3	110.1	27,286	1.47
Scarborough	151	4,213	....	432	12,202	18,001	D	60.1	D	....	c	....
Simcoe	99	4,948	....	5,254	7,278	12,623	1,532	66.6	8.0	74.6	c	....
Stamford	203	6,447	....	9,139	16,425	30,888	6,275	77.0	15.6	92.6	c	....
Stratford	207	3,558	....	1,258	14,978	14,621	2,951	36.4	7.3	43.7	c	....
Toronto (6)	11,242	287,243	71,115	40,163	1,968,747	1,803,280	395,428	82.2	18.0	100.2	3,880,699	4.00
Welland	445	10,610	5,734	18,762	27,148	49,837	13,098	56.6	14.9	71.5	c	....
Weston	451	1,729	15,661 B	34,781	8,242	51,018	11,479	58.0	13.0	71.0	c	....
Windsor	1,803	32,698	....	17,624	199,941	208,065	32,232	61.8	9.6	71.4	1,024,873	10.96
Woodstock	119	2,980	....	2,353	8,539	13,080	c	59.0	c	59.0	c	....
York East	535	8,020	....	4,088	48,595	53,311	7,983	51.1	7.7	58.8	c	....
York North	148	2,104	....	3,035	10,634	9,446	6,360	34.1	23.0	57.1	80,033	19.17
York Township (3)	607	9,798	....	7,582	64,479	63,702	15,719	55.9	13.8	69.7	197,475	6.77
Totals and Averages	30,511	705,308	249,508	373,041	3,972,048	4,072,834	1,083,640	70.2	18.7	88.9	9,190,745	5.04
In Districts												
Fort Frances	155	5,529	....	....	34,031	18,128	c	64.0	c	64.0	c	....
Fort William	750	25,782	19,668	6,936	107,659	104,306	45,606	71.2	31.1	102.3	514,380	18.13
Haileybury	68	4,421	2,997	3,925	3,904	12,360	3,996	91.4	29.5	120.9	48,114	37.46
Kirkland Lake	209	10,234	....	456	35,717	37,448	3,217	95.7	8.2	103.9	c	....
North Bay	248	9,323	12,699	3,292	36,189	39,368	21,228	80.9	43.6	124.5	277,773	29.45
Port Arthur	647	16,174	21,795	2,690	78,901	85,568	33,569	67.4	26.5	93.9	393,202	15.14
Sault Ste. Marie	499	10,747	8,252	3,691	64,735	49,081	27,198	51.5	28.5	80.0	187,600	9.85
Sudbury	588	12,994	6,210	6,390	57,260	64,516	17,470	56.8	15.4	72.2	136,252	9.42
Timmins	322	10,391	6,873	4,246	39,678	48,941	11,766	77.9	18.7	96.6	137,537	14.73
Totals and Averages	3,386	105,595	78,494	31,626 E	458,074	459,716	164,050	68.1	24.3	92.4	1,694,858	14.33
Grand Totals and Averages	33,897	842,529	F328,002		4,430,122	4,532,550	1,247,690	70.0	19.3	89.3	10,885,603	5.60

A Includes some Night School Fees. B In addition, $10,663.48 Government Grant on past due debentures was received. C Combined debt. See High School Financial Table. D Report Incomplete. E In the Districts the Provincial Government assumes 80% of the tuition cost of non-resident pupils. F Includes $31,626 District non-resident grant.

OTTAWA PUBLIC SCHOOLS

The Home Economics Exhibit of the Ottawa Public Schools at the Central Canada Exhibition, 1939.

TABLE 36—

Schools	Teachers				Students		
	Male		Female		Enrolment		
	Total	No. who taught in Day School	Total	No. who taught in Day School	Total	Male	Female
In Counties							
1 Barrie	4	2	3	1	90	36	54
2 Belleville	7	6	6	5	479	240	239
3 Brantford	9	9	4	3	239	163	76
4 Brockville	6	4	4	4	321	120	201
5 Chatham	7	6	3	2	401	247	154
6 Cornwall	16	10	3	2	853	507	346
7 Dunnville	2	1	2	1	85	27	58
8 East York	3	3	......	......	88	46	42
9 Fort Erie	9	1	......	......	300	300	......
10 Galt	8	4	3	3	279	172	107
11 Hamilton—Technical	37	32	7	7	886	766	120
12 Kemptville	1	1	......	......	21	21	......
13 Kingston	9	8	2	2	528	288	240
14 Kitchener-Waterloo	13	9	6	5	644	388	256
15 London	27	21	8	4	1,185	676	509
16 Napanee	2	1	2	1	51	26	25
17 New Toronto	7	5	2	......	229	54	175
18 Niagara Falls	12	10	5	3	514	302	212
19 Oshawa	18	13	8	3	969	586	383
20 Ottawa—Commerce	15	14	9	5	1,007	273	734
21 Technical	30	19	15	2	1,791	763	1,028
22 Owen Sound	7	6	5	5	356	167	189
23 Pembroke	10	5	4	2	284	164	120
24 Peterborough	19	12	7	3	858	468	390
25 Renfrew	......	......	3	3	62	13	49
26 St. Catharines	14	11	7	3	649	397	252
27 St. Thomas	7	7	3	3	444	266	178
28 Sarnia	12	11	3	3	438	265	173
29 Stratford	12	8	4	1	483	245	238
30 Toronto—Central Technical	101	64	29	5	4,734	2,722	2,012
31 Danforth Technical	55	40	28	3	2,821	1,559	1,262
32 Central Commerce	33	23	5	4	1,491	604	887
33 Eastern Commerce	24	23	3	......	1,453	630	823
34 Northern Vocational	62	53	29	15	2,992	1,175	1,817
35 Western Vocational	47	42	21	8	2,136	1,074	1,062
36 Welland	9	7	5	1	666	376	290
37 Weston	10	7	8	7	418	267	151
38 Windsor	37	26	12	8	1,919	1,309	610
39 Woodstock	6	3	4	2	328	177	151
40 York Twp.—Runnymede	1	1	2	......	89	31	58
41 Vaughan Road	3	3	2	2	200	65	135
42 York Memorial	3	3	......	......	70	36	34
43 Humbercrest†	......	......	2	......	47	......	47
44 Humewood†	1	1	2	......	59	21	38
45 Rawlinson†	2	2	2	......	68	26	42
46 Warren Park.†	1	1	......	......	20	20	......
Totals	716	538	282	131	34,045	18,078	15,967
In Districts							
1 Fort William	22	13	10	9	937	624	313
2 Kirkland Lake	17	9	3	3	402	257	145
3 North Bay	6	4	5	4	280	119	161
4 Port Arthur	14	8	9	5	439	259	180
5 Sault Ste. Marie	7	6	3	3	342	214	128
6 Smooth Rock Falls	2	2	......	......	36	23	13
Totals	68	42	30	24	2,436	1,496	940
Grand Totals	784	580	312	155	36,481	19,574	16,907
Increases for the Year	104	69	11	5	4,601	1,925	2,676
Percentages	......	74.0	......	49.7	......	53.6	46.4

†Held in Public School buildings.

NIGHT SCHOOLS, 1938-39

	Students						Aggregate Student Hours Attendance	No. of Nights School was Open	No. of Class-rooms
	Beginners			Nationality					
	Total	Male	Female	Canadian	British	Others			
1	74	30	44	88	2	....	6,235	48	6
2	161	102	59	433	40	6	11,711	42	15
3	175	112	63	206	21	12	16,400	36	11
4	270	96	174	295	15	11	10,177	42	11
5	271	149	122	322	35	44	18,330	45	10
6	817	494	323	759	63	31	50,752	97	22
7	75	26	49	80	2	3	4,363	45	7
8	66	35	31	83	4	1	4,446	49	6
9	275	275	....	233	50	17	10,226	20	9
10	177	88	89	242	24	13	12,272	78	11
11	821	708	113	697	130	59	41,066	107	44
12	20	20	....	20	1	....	946	50	4
13	347	177	170	455	55	18	12,831	44	16
14	280	175	105	538	19	87	29,338	66	29
15	868	460	408	1,015	116	54	55,355	80	38
16	29	14	15	48	2	1	2,186	37	4
17	112	28	84	160	11	58	2,330	49	7
18	314	171	143	377	72	65	17,379	40	22
19	601	339	262	782	113	74	56,392	89	37
20	751	216	535	923	59	25	39,417	94	45
21	865	369	496	1,520	201	70	78,403	94	56
22	240	117	123	350	6	....	11,984	50	12
23	209	140	69	273	6	5	n.r.	51	14
24	466	196	270	780	61	17	36,276	90	40
25	25	4	21	62	....	....	4,278	37	9
26	427	254	173	536	59	54	26,295	106	35
27	275	150	125	365	46	33	15,324	38	11
28	300	181	119	387	18	33	18,436	44	21
29	252	127	125	438	37	8	19,253	87	32
30	2,426	1,354	1,072	3,523	637	574	234,466	117	238
31	n.r.	n.r.	n.r.	2,299	447	75	135,038	117	116
32	996	378	618	1,253	118	120	58,780	94	61
33	962	390	572	1,270	162	21	n.r.	94	54
34	1,841	725	1,116	2,556	324	112	407,233	94	137
35	1,321	623	698	1,833	233	70	101,924	94	101
36	370	187	183	535	41	90	30,696	44	26
37	257	144	113	353	51	14	16,100	41	27
38	1,459	982	477	1,479	197	243	72,706	110	54
39	170	68	102	286	34	8	10,440	66	7
40	72	22	50	79	6	4	4,912	51	5
41	161	48	113	171	25	4	9,395	51	10
42	47	23	24	64	6	....	3,618	49	6
43	45	....	45	42	3	2	1,578	54	2
44	50	17	33	48	9	2	3,056	73	4
45	62	24	38	52	12	4	4,520	72	4
46	20	20	....	20	....	....	1,410	51	1
	19,822	10,258	9,564	28,330	3,573	2,142	1,708,273	....	1,437
1	726	494	232	792	82	63	39,283	78	37
2	306	196	110	301	28	73	22,560	95	22
3	199	87	112	257	16	7	15,439	48	12
4	283	170	113	327	45	67	21,481	82	25
5	256	146	110	302	23	17	17,173	48	10
6	13	7	6	17	2	17	1,114	38	2
	1,783	1,100	683	1,996	196	244	117,050	....	108
	21,605	11,358	10,337	30,326	3,769	2,386	1,825,323	....	1,545
	1,810	607	1,223	4,317	63	221	515,079	....	136
	*59.2	52.6	47.4	83.1	10.3	6.6	....	....	....

*Of Total Enrolment.
n.r.–Not reported.

TABLE 37—NIGHT SCHOOLS—Classification of Pupils by Subjects of Study, 1938-39

I. ACADEMIC

A—CULTURAL

1. English for New Canadians	232
2. Reading	479
3. Literature	355
4. Composition and Spelling	698
5. Grammar	418
6. Public Speaking	122
7. French	419
8. Orchestral and Choral Music	31
9. Dramatic Art	150

B—PRACTICAL

1. Arithmetic	665
2. Algebra	357
3. Geometry	229
4. Trigonometry	118
5. Mensuration	138
6. Shop Mathematics	576

II. VOCATIONAL AND INDUSTRIAL

A—DOMESTIC ARTS

1. Cooking	3,157
2. Hygiene and Dietetics	227
3. Home Nursing	224
4. Home Economics	148
5. Drafting and Design (Clothing)	263
6. Sewing and Dressmaking	5,052
7. Millinery	322
8. Textiles	28
9. Embroidery and Lace Making	38
10. Knitting	25
11. Appreciation of Dress	33
12. Period Furniture	51
13. Household Accessories	18
14. Pattern Making	42

B—COMMERCE

1. Writing	299
2. Stenography	5,509
3. Typewriting	6,417
4. Business English	202
5. Journalism	38
6. Rapid Calculation	26
7. Business Machines	822
8. Business Forms	227
9. Filing	46
10. Office Routine	178
11. Book-keeping	2,333
12. Business Management	31
13. Advertising	276
14. Salesmanship	211
15. Insurance	733
16. Economics	26
17. Commercial Law	81

C—ART, DRAFTING AND DESIGN

(a) Pure Art:

1. History of Art	87
2. Elementary Art	19
3. Colour Study	586
4. Still Life Drawing	113
5. Life Drawing	293
6. Modelling	53
7. Perspective	115
8. Antique Drawing	129

(b) Applied Art:

1. Illustrating	200
2. Lettering and Show Cards	350
3. Interior Decorating	383
4. Costume Drawing and Design	204
5. Etching and Block Printing	3
6. Photography	113

(c) Industrial Drafting and Design:

1. Mechanical Drawing	1,037
2. Industrial Design	162
3. Blue Print Reading	390
4. Architectural Drawing	413
5. Electrical Drawing	16
6. Machine Drawing and Design	306
7. Tool Design	39
8. Sheet Metal Drawing	123
9. Watchmaker's Drafting	30

D—CRAFTS

1. Leather Working	55
2. Woodcarving	32
3. Cabinet Making	451
4. Pottery	33
5. Rug Making	51
6. Art Metal Work	50
7. Printing	228
8. Watch Making	53
9. Pattern Making	27

E—SCIENCE AND ENGINEERING

(a) Science:

1. Chemistry	337
2. Industrial Chemistry	270
3. Chemistry for Nurses	67
4. Mineralogy and Geology	12
5. Metallurgy and Assaying	15
6. Applied Mechanics	36
7. Electricity	869

(b) Engineering:

1. Stationery	443
2. Heating and Ventilating	10
3. Refrigeration and Air Conditioning	118
4. Aviation	117
5. Diesel Engines	213

F—TRADES AND INDUSTRY

1. General Woodworking	799
2. Carpentry and Building	266
3. Painting and House Decorating	32
4. Machine Shop Work	2,006
5. Plumbing	94
6. Acetylene Welding	957
7. Auto Mechanics	1,691
8. Air Craft	923
9. Electric Wiring	621
10. Electric Construction	63
11. Radio (Construction and Repairs)	17
12. Glove Making	33

III. MISCELLANEOUS

1. First Aid	351
2. Swimming	411
3. Gymnasium	1,165
4. Lip Reading	32

THE SENIOR AUXILIARY SCHOOLS

TABLE 38—SCHOOLS, TEACHERS, PUPILS, ETC., 1938-39

Schools	Full-Time Teachers		Full-Time Enrolment		Average Daily Attendance	Attendance Efficiency Percentage	Year Classification of Full-Time Enrolment					Part-Time Enrolment	Beginners admitted during the year	Retirements during the Year while in				
	Male	Female	Male	Female			1st year	2nd year	3rd year	4th year	5th year			1st year	2nd year	3rd year	4th year	5th year
Hamilton—Boys' Handicraft	10	1	232		217	86.2	117	102	13				98	43	89	3		
Girls' "		5		98	91	87.6	98						51	11	11	13	2	
Toronto—Boys' Sr. Auxiliary (Jarvis)	24		563		493	86.4	218	173	127	31	14	2	224	49	71	93	22	16
Girls' " " (Dovercourt)		15		306	264	87.7	138	40	122	6		10	162		4	72	1	
Girls' " " (Bolton)		10		228	182	82.4	31	71	126			3	140	23	33	60		
Totals	34	31	795	632	1,247	86.8	602	386	388	37	14	15	675	126	216	241	25	16

TABLE 39—AGE-GRADE DISTRIBUTION OF FULL-TIME PUPILS, MAY, 1939

		12 Years	13 Years	14 Years	15 Years	16 Years	17 Years	18 Years	19 Years	20 Years	21 and Over	Totals	Year Totals
First Year	Boys	9	136	97	77	16						335	602
	Girls	6	93	89	69	9	1					267	
Second Year	Boys		6	109	121	32	4	3				275	386
	Girls		3	99	9							111	
Third Year	Boys			6	49	62	15	4	2	2		140	388
	Girls			15	172	51	10					248	
Fourth Year	Boys				5	15	9	1	1			31	37
	Girls					6						6	
Fifth Year	Boys					5	3	1	2		3	14	14
	Girls												
Totals by Sexes	Boys	9	142	212	252	130	31	9	5	2	3	795	
	Girls	6	96	203	250	66	11					632	
Grand Totals		15	238	415	502	196	42	9	5	2	3		1,427

TABLE 40—FINANCIAL STATISTICS, 1938

Schools	Average Daily Attendance	Major Items of Receipts		Disbursements		Cost per Pupil-Day (Cents)			Debenture Indebtedness
		Legislative Grant	School District Levy	Current	Capital	Current	Capital	Total	Total
Hamilton—Boys' Handicraft	221	$ 5,216	$ 27,679	$ 33,546	$ 79	77.8	.1	77.9	
Girls' "	90	2,577	11,714	14,507	124	84.4	.7	85.1	
Toronto—Boys' Senior Auxiliary	508	22,924	94,648	101,968	13,011	103.7	13.2	116.9	$118,558
Girls' Senior Auxiliary (Dovercourt)	264	8,268	49,111	56,911	162	111.2	.3	111.5	1,923
Girls' Senior Auxiliary (Bolton)	180	5,960	45,635	40,589	9,008	115.1	25.5	140.6	42,773
Totals and Averages	1,263	$44,945	$228,787	$247,521	$22,384	101.0	9.1	110.1	$163,254

TABLE 41—Professional Certificates Issued by the Department of Education during the Calendar Year 1939

A—General

Training Schools	Classification of Certificates										Grand Totals
	Public and Separate School				High School		Vocational School				
	First Class		Second Class		Interim Assistant	Permanent Assistant	Interim		Permanent		
	Interim	Perm.	Interim	Perm.			Ordinary	Specialist	Ordinary	Specialist	
Ontario College of Education	23	....	....	....	383	....	....	....	....	....	902
Normal Schools	1244	....	150	....	....	....	....	....	....	....	2,991
Ontario Technical Training College	....	....	....	....	....	....	17	4	21	10	52
Interim Certificates Issued	1,267	....	150	....	383	....	....	....	....	....	1,800
Interim Certificates Made Permanent	....	1,025	....	152	....	425	....	....	....	....	1,602
Total Number of Certificates Issued	1,267	1,025	150	152	383	425	....	....	....	....	3,402

B—Special

(1) One-Year Course

Subject	Elementary		Intermediate		Specialist	
	Int.	Perm.	Int.	Perm.	Int.	Perm.
Household Science	....	....	24	7	....	....
Manual Training	....	....	11	4	1	12
*Art	27	....	11	....	....	....
*Phys. Educat. (Type A)	73	....	32	....	....	....
*Vocal Music	39	....	44	....	....	....

*Taken at the Ontario College of Education.

(2) Summer School

Subject	Elementary	Intermediate & Supervisor	Specialist
Agriculture and Horticulture	300	73	3
Art	247	57	41
Commercial Subjects	23	37	37
Music—Vocal	562	221	139
—Instrumental	126	44	16
Physical Education	101	45	....
Manual Training	268	....	....
Home Economics	255	....	....

Auxiliary Education	146	Kindergarten-Primary	76
Education	1,152	Oral French	39
Farm Mechanics	14	Provisional High School Assistant	33
Health Education	150		

Note 1.—In addition to the above, 105 Interim Certificates in Elementary Agriculture and Horticulture, 1 in Elementary Physical Culture and 1 in Elementary Instrumental Music were granted on pro tanto standing, also 5 Intermediate Household Science Certificates.

Note 2.—During the year 88 High School Principals' Certificates were granted also 6 Vocational Principals' and the following Interim certificates were made permanent:—555 Elementary, 122 Intermediate and Supervisor's, 24 Auxiliary Class and 70 Kindergarten-Primary.

C—Temporary

R.C Separate Inspectorates—Divisions II, 7; III, 5; VII, 1; VIII, 1; XVIII, 3; XXI, 6.
Public District Inspectorates—Division IX, 1.

Total Temporary Certificates, 24.

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1939

The type of Secondary Schools is shown thus: Collegiate Institute (CI); High School (H); Continuation School (C); Technical School (T); Commercial School (Com); Composite (academic, commercial and technical) (ACT); Combined academic and commercial (AC); Combined Vocational (commercial and technical) (CT); Combined academic and vocational agriculture (A. Agr.); Combined academic and mining school (AM).
Senior Auxiliary Schools shown thus: (SA); Navigation Schools shown thus: (N).

COUNTIES	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Brant	Brantford (ACT)	Paris (H)		Burford (H), Mount Pleasant (C), St. George (C), Scotland (C)
Bruce		Chesley (H), Kincardine (H), Southampton (C), Walkerton(H), Wiarton (H).	Hepworth (C), Lion's Head (C), Lucknow (H), Mildmay, Paisley (C), Port Elgin (H), Ripley (C), Tara (C), Teeswater (C), Tiverton (C)	Allenford (C).
Carleton	Ottawa (2 CI) (T) (Com.)	Eastview	Richmond (C), Rockliffe	Bowesville (C), Carp (C), Fitzroy Harbour (C), Jockvale (C), Kars (C), Kenmore (C), Kinburn (C), Manotick (C), Metcalfe (C), Nepean (H), North Gower (C), Pierce's Corners*(C)
Dufferin		Orangeville (H)	Grand Valley (C), Shelburne (H)	Honeywood (C), Laurel (C)
Dundas			Chesterville (H), Iroquois (H), Morrisburg (C.I.), Winchester (H)	Hallville (C), Morewood (H), South Mountain (C)
Durham		Bowmanville (H), Port Hope (H)	Millbrook (C), Newcastle (H)	Blackstock (C), Orono (C)
Elgin	St. Thomas (CI) (CT)	Aylmer (H)	Dutton (H), Port Stanley, Rodney (C), Springfield (C), Vienna (H), West Lorne (C)	Belmont (C), Fingal (C), Port Burwell (C), Sparta (C)
Essex	Windsor (4 CI) (CT)	Amherstburg (H), Essex (H), Harrow (H), Kingsville (H), La Salle, Leamington (H), Riverside, Tecumseh.	Belle River, St. Clair Beach.	Comber (C), Pelee Island (C)
Frontenac	Kingston (CT) (N)		Portsmouth	Sydenham (H), Wolfe Island (C)
Glengarry		Alexandria (H)	Lancaster, Maxville (H)	Williamstown (H)
Grenville		Prescott (H)	Cardinal (C), Kemptville (H). Merrickville (C)	North Augusta (C), Spencerville (C)
Grey	Owen Sound (ACT)	Durham (H), Hanover (H), Meaford (H), Thornbury (H)	Chatsworth (C), Dundalk (H), Flesherton (H), Markdale (H), Neustadt, Shallow Lake	Feversham (C), Holstein (C)
Haldimand		Dunnville (H)	Caledonia (H), Cayuga (H), Hagersville (H), Jarvis (C)	Selkirk (C)
Haliburton				Haliburton (C), Minden (C), Wilberforce (C)
Halton		Burlington (H), Georgetown (H), Milton (H), Oakville (H)	Acton (C)	

*Malakoff Continuation School

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1939

COUNTIES	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Hastings	Belleville (ACT)	Deseronto (H), Trenton (H)	Bancroft (C), Deloro, Frankford (C), Madoc (H), Marmora (H) Stirling (H), Tweed (H)	
Huron		Clinton (C.I.), Goderich (CI), Seaforth (CI), Wingham (H)	Blyth (C), Brussels (C), Exeter (H), Hensall (C)	Fordwich (C), Wroxeter (C)
Kent	Chatham (CI) (CT)	Blenheim (H), Bothwell (C), Dresden (C), Ridgetown (A.Agr.), Tilbury (H), Wallaceburg (H)	Erieau, Highgate (C), Thamesville (C), Wheatley (C)	Merlin (C), Paincourt (C)
Lambton	Sarnia (ACT)	Forest (H), Petrolia (H)	Alvinston (C), Arkona (C), Courtright, Oil Springs (C), Point Edward, Thedford (C), Watford (H), Wyoming (C)	Florence (C)
Lanark		Almonte (H), Carleton Place (H), Perth (AC), Smith's Falls (CI)	Lanark (C)	Pakenham (C)
Leeds		Brockville (AC), Gananoque (H)	Athens (H), Newboro, Westport (2C)	Delta (C), Elgin (C), Lansdowoe (C), Lyndhurst (C), Mallorytown (C), Seely's Bay (C)
Lennox and Addington		Napanee (AC)	Bath (C), Newburgh (H)	Denbigh (C), Flinton (C), Odessa (C), Stella (C), Tamworth (C)
Lincoln	St. Catharines (ACT)	Grimsby (H), Merriton (H), Niagara (H)	Beamsville (A.Agr.), Port Dalhousie	Smithville (H)
Middlesex	London (3 CI) (CT)	Parkhill (H), Strathroy (CI)	Ailsa Craig (C), Glencoe (H), Lucan (H), Newbury, Wardsville (H)	Delaware (C), Dorchester (C), Ilderton (C) Lambeth (C), Lobo (C), Melbourne (C), Mt. Bridges (C), Thorndale (C)
Norfolk		Simcoe (ACT)	Delhi (C), Port Dover (H), Port Rowan (H), Waterford (H)	
Northumberland		Campbellford (H), Cobourg (CI)	Brighton (H), Colborne (H), Hastings	Castleton (C), Warkworth (C), Wooler (C)
Ontario	Oshawa (ACT)	Whitby (H), Uxbridge (H)	Beaverton (C), Cannington (C), Port Perry (H)	Brooklin (C), Claremont (C), Pickering (C), Sunderland (C)
Oxford	Woodstock (AC)	Ingersoll (CI), Tillsonburg (H)	Embro (C), Norwich (H), Tavistock (C)	Brownsville (C), Burgessville (C), Drumbo (C), Mt. Elgin (C), Otterville (C), Plattsville (C), Princeton (C), Thamesford (C)
Peel		Brampton (H)	Bolton (C), Port Credit (H), Streetsville (H)	Alton (C), Caledon East (C), Cooksville (C), Inglewood (C)
Perth	Stratford (AC)	Listowel (H), Mitchell (H), St. Mary's (CI)	Milverton (C)	
Peterborough	Peterborough (ACT)		Havelock (H), Lakefield (H), Norwood (H)	Ennismore (C)

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1939

COUNTIES	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Prescott		Hawkesbury (2H), Vankleek Hill (CI)	L'Original	Plantagenet (H)
Prince Edward		Picton (AC)	Bloomfield, Wellington (C)	Consecon (C)
Renfrew		Arnprior (H), Pembroke (AC), Renfrew (ACT)	Barry's Bay, Braeside, Cobden (C) Eganville (2C), Killaloe	Beachburg (C), Chalk River (C), Forester's Falls (C), Westmeath (C)
Russell		Rockland (H)	Casselman	Cumberland (C), Embrun (H), Navan (C), Russell (C)
Simcoe		Alliston (H), Barrie (AC), Collingwood (CI), (N), Midland (H), (N), Orillia (CI), Penetanguishene (H), Stayner (C)	Beeton (C), Bradford (H), Coldwater (C), Creemore (C), Port McNicoll, Tottenham (C), Victoria Harbour	Cookstown (C), Elmvale (C), Lefroy (C), Minesing (C), Severn Bridge (C), Singhampton (C), Thornton (C)
Stormont		Cornwall (AC)	Finch (H)	Aultsville (C), Avonmore (H), Wales (C)
Victoria		Lindsay (CI)	Bobcaygeon (C), Fenelon Falls (C), Omemee (H), Woodville (C)	Kinmount (C), Little Britain (C)
Waterloo	Galt (ACT), Kitchener (ACT)	Elmira (H), Hespeler, Preston (C), Waterloo	Ayr (C), New Hamburg (C)	New Dundee (C), Wellesley (C)
Welland	Niagara Falls (ACT) Welland (ACT)	Fort Erie (AC), Port Colborne (H), Thorold (H)	Chippawa, Fonthill, Humberstone	Pelham (C), Ridgeway (H), Stevensville (C), Stamford (AC)
Wellington	Guelph (ACT)	Harriston (H), Mount Forest (H), Palmerston (C)	Arthur (H), Clifford (C), Drayton (C), Elora (H), Erin (C), Fergus (H)	Rockwood (C)
Wentworth	Hamilton (2CI), (Com.), (T), (2SA), (ACT)	Dundas (H)	Waterdown (H), Stoney Creek (H)	Lynden (C)
York	Toronto (10CI), (3SA), (2T) (2CT), (2 Com.)	Aurora (H), Leaside, Mimico (H), Newmarket (H), New Toronto, Weston (ACT)	Forest Hill (C), Long Branch (C), Markham (H), Richmond Hill (H), Stouffville (C), Sutton (C), Swansea, Woodbridge	(a) In York Twp.: Runnymede (AC) Vaughan Rd. (AC) York Memorial (AC) (b) In East York Twp.: East York (AC) (c) In North York " Willowdale (AC) (d) In Scarboro " Scarboro (AC) (e) In Etobicoke " Etobicoke (H) Agincourt (C), Mt. Albert (C), Schomberg (C)

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1939

DISTRICTS	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Algoma	Sault Ste. Marie (CI), (CT)	Blind River (C), Bruce Mines (C), Nesterville, Thessalon (H)	Hilton Beach	Hornpayne (C), Richard's Landing (C), White River (C)
Cochrane		Cochrane (H), Hearst, Iroquois Falls (H), Kapuskasing (H), Matheson, Smooth Rock Falls (C), Timmins (ACT)		South Porcupine (H), Schumacher (H)
Kenora		Dryden (H), Keewatin (H), Kenora (H), Sioux Lookout (C)		Red Lake (C)
Manitoulin		Gore Bay (H), Little Current (C)		Manitowaning (C), Mindemoya (C)
Muskoka		Bala, Bracebridge (H), Gravenhurst (H), Huntsville (H)	Port Carling (C), Port Sydney, Rosseau, Windemere	MasTier (C), Milford Bay (C)
Nipissing	North Bay (ACT)	Bonfield, Cache Bay, Mattawa (H), Sturgeon Falls (H)		
Parry Sound		Kearney, Parry Sound (H), Powassan (C), Trout Creek	Burk's Falls (C), South River (C), Sundridge (C)	Sprucedale (C)
Rainy River		Fort Frances (AC), Rainy River (H)		Emo (C)
Sudbury	Sudbury (H), (T)	Capreol (H), Chelmsford, Coniston (C), Copper Cliff, Frood Mine, Massey (C), Webbwood		Chapleau (H), Espanola (C)
Timiskaming		Charlton, Cobalt (H), Englehart (H), Haileybury (AM), Latchford, New Liskeard (H)	Thornloe	Fraserdale (C), Kirkland Lake (H)
Thunder Bay	Fort William (CI) (CT) Port Arthur (CI) (CT)			Nipigon (C), Schreiber (C)

TABLE 43—INSPECTORS AND INSPECTORATES, AS OF DECEMBER 31, 1939

A—ELEMENTARY SCHOOLS

V. K. Greer, M.A., Chief Inspector, Public and Separate Schools	Parliament Buildings, Toronto
J. D. Campbell, B.A., Assistant Chief Inspector, Public and Separate Schools	
J. B. MacDougall, B.A., D.Paed., Assistant Chief Inspector, Public and Separate Schools	
Robert Gauthier, B.A., Ph.L., Director of French Instruction	
C. E. Stothers, B.A., D.Paed., Inspector of Auxiliary Classes	
L. Helen De Laporte, B.A., B.Paed., Assistant Inspector of Auxiliary Classes	
R. D. Keefe, B.A., Provincial School Attendance Officer	
G. R. Fenwick, Mus. Bac., Provincial Supervisor of Music	
N. Davies, B.A., Inspector of Agricultural Classes	

(1) City—Public

Inspectorate	Inspector	Address
Brantford	Russell Reid, B.A., B.Paed.	Brantford.
Chatham	H. A. Tanser, M.A., D.Paed., Superintendent of Schools	Chatham.
Hamilton	Frank E. Perney, B.A., B.Paed., Superintendent of Schools	Hamilton.
	V. N. Ames, B.A., B.Paed.	
	R. A. Riddell, B.A., B.Paed.	
	J. W. Van Loon, B.A., B.Paed.	
Kitchener	H. J. Prueter, B.A., D.Paed.	Kitchener.
London	G. A. Wheable, B.A., Superintendent of Schools	London.
	A. B. Lucas, B.A., B.Paed	
Ottawa	McGregor Easson, B.A., D.Paed., Chief Inspector	Ottawa.
	Robert Westwater, B.A., B.Paed.	
Peterborough	K. S. Wightman, B.A., B.Paed.	Peterborough.
Sarnia	T. C. White, B.A., B.Paed.	Sarnia.
St. Catharines	C. A. Brown, M.A., B.Paed.	St. Catharines.
Toronto	C. C. Goldring, M.A., D.Paed., Superintendent of Schools	Toronto.
	W. E. Hume, B.A., D.Paed.	
	P. F. Munro, M.A., D.Paed.	
	A. G. Leitch, B.A., B.Paed.	
	G. W. McGill, M.A., D.Paed.	
	D. D. MacDonald, B.A., D.Paed.	
	H. E. Cavell, M.A., B.Com., B.Paed.	
	A. W. R. Doan, M.A., D.Paed.	
	J. L. McCullough, B.A., B.Paed.	
Welland	John Flower, B.A.	Welland.
Windsor	Leonard Wheelton, B.A., Superintendent of Schools	Windsor.
	A. R. Davidson, B.A.	

(2) County—Public

Inspectorate	Inspector	Address
Brant and Norfolk (in part); Town of Paris.	W. Joyce, B.A.	Brantford.
Bruce East; Grey (in part); Huron (in part); Towns of Chesley, Walkerton, Villages of Mildmay, Tara	J. M. Game, B.A., B.Paed.	Walkerton.
Bruce, West; Towns of Kincardine, Southampton; Villages of Lucknow, Paisley, Port Elgin, Ripley, Teeswater, Tiverton.	G. C. Dobson, B.A., B.Paed.	Kincardine.
Carleton; Town of Eastview; Villages of Rockcliffe Park, Richmond	T. P. Maxwell, B.A.	Ottawa. 39 Glen Ave.
Dufferin (in part); Town of Orangeville; Villages of Grand Valley, Shelburne	A. F. Hansuld, B.S.A.	Orangeville.
Dundas; Villages of Chesterville, Iroquois, Morrisburg and Winchester	W. J. Stewart, B.A., B.Paed.	Winchester.
Durham (in part) and City of Oshawa; Town of Bowmanville	T. R. McEwen, B.A., B.Paed.	Oshawa.
Elgin; City of St. Thomas; Town of Aylmer; Villages of Dutton, Port Stanley, Rodney, Springfield, Vienna, West Lorne	J. C. Smith, B.A.	St. Thomas.
Essex, North; Towns of Amherstburg, Essex, Harrow, Riverside, Tecumseh; Village of Belle River	D. M. Eagle	Windsor, 165 California Ave.
Essex, South; Kent (in part); Towns of Kingsville, Leamington, Tilbury; Village of Wheatley	W. L. Bowden, B.A.	Kingsville.
Frontenac, North, and Addington (in part)	T. J. Thompson, B.A., B.Paed.	Sharbot Lake.
Frontenac, South (in part); and City of Kingston	F. P. Smith, M.A.	Kingston.
Frontenac, South (in part); Lennox (in part); Villages of Bath, Portsmouth	S. A. Truscott, M.A.	Kingston.
Glengarry (in part) and Prescott (in part); Town of Alexandria; Villages of Lancaster, Maxville	R. O. Staples, B.A., B.Paed.	Alexandria.
Grey, East; Towns of Meaford, Thornbury; Village of Chatsworth	S. A. Morrison, B.A.	Meaford.
Grey, North, and Bruce, North; City of Owen Sound; Town of Wiarton; Villages of Hepworth, Lion's Head, Shallow Lake.	J. J. Wilson, B.A.	Owen Sound.
Grey, South; Towns of Durham, Hanover; Villages of Dundalk, Flesherton, Markdale, Neustadt	G. E. Pentland, M.A.	Hanover.
Haldimand; Town of Dunnville; Villages of Caledonia, Cayuga, Hagersville, Jarvis	J. L. Mitchener, B.A.	Cayuga.
Halton; Towns of Burlington, Georgetown, Milton, Oakville; Village of Acton	J. A. Partridge, M.A., B.Paed.	Milton.
Hastings, Centre; Villages of Madoc, Stirling, Tweed	A. W. McGuire, B.A.	Tweed.
Hastings, North, and Renfrew (in part); Villages of Bancroft, Deloro, Marmora	J. D. Deyell, B.A., B.Paed.	Bancroft.
Hastings, South, and City of Belleville; Town of Trenton; Village of Frankford	J. R. Pickering, B.A., B.Paed.	Belleville.
Huron, East; Towns of Clinton, Seaforth, Wingham; Villages of Blyth, Brussels	J. H. Kinkead, B.A., B.Paed.	Goderich.
Huron, West; Town of Goderich; Villages of Exeter, Hensall	E. C. Beacom, B.A.	Goderich.
Kent (in part); Towns of Blenheim, Bothwell, Dresden, Ridgetown, Wallaceburg; Villages of Erieau, Thamesville	G. A. Pearson, B.A.	Chatham.
Lambton, East; Town of Petrolia; Villages of Alvinston, Arkona, Oil Springs, Watford	J. J. Edwards, B.A.	Petrolia.
Lambton, West; Town of Forest; Villages of Courtright, Point Edward, Thedford, Wyoming	H. B. Galpin, B.A., B.Paed.	Sarnia.
Lanark; Towns of Almonte, Carleton Place, Perth, Smith's Falls; Village of Lanark	L. B. Hyde, B.A.	Perth.

(2) COUNTY—PUBLIC

Inspectorate	Inspector	Address
Leeds and Grenville (No. 1); Town of Gananoque; Villages of Newboro, Westport	James F. McGuire, M.A.	Gananoque.
Leeds and Grenville (No. 2); Town of Brockville; Village of Athens	E. Oakes, B.A., B.Paed.	Brockville.
Leeds and Grenville (No. 3); Town of Prescott; Villages of Cardinal, Kemptville, Merrickville	W. H. Carlton, B.A., B.Paed.	Prescott.
Lennox and Hastings, South (in part); Towns of Deseronto, Napanee; Village of Newburgh	K. O. Birkin, M.A., B.Paed.	Napanee.
Lincoln (in part); Towns of Grimsby, Merritton, Niagara; Villages of Beamsville, Port Dalhousie	Geo. A. Carefoot, B.A., B.Paed.	St. Catharines.
Middlesex, East; Elgin (in part); Village of Lucan	D. G. Smith, B.A.	London, 155 Thornton Ave.
Middlesex, West; Towns of Parkhill, Strathroy; Villages of Ailsa Craig, Glencoe, Newbury, Wardsville	Gordon Young, B.A.	Strathroy.
Norfolk (in part); Town of Simcoe; Villages of Delhi, Port Dover, Port Rowan, Waterford	H. Frank Cook, B.A.	Simcoe.
Northumberland and Durham (No. 1); Towns of Cobourg, Port Hope; Villages of Newcastle, Millbrook	R. A. A. McConnell, B.A.	Port Hope.
Northumberland and Durham (No. 2); Town of Campbellford; Villages of Brighton, Colborne, Hastings	A. A. Martin, B.A., B.Paed.	Brighton.
Ontario, North, and York (in part); Town of Uxbridge; Villages of Beaverton, Cannington, Sutton West	T. R. Ferguson, M.A.	Uxbridge.
Ontario South; Town of Whitby; Village of Port Perry	R. A. Hutchison, B.A.	Whitby.
Oxford, North, and City of Woodstock; Villages of Embro, Tavistock	Geo. M. Mather, B.A.	Woodstock.
Oxford, South, and Norfolk (in part); Towns of Ingersoll, Tillsonburg; Village of Norwich	J. W. Hagan, M.A.	Ingersoll.
Peel; Town of Brampton; Villages of Bolton, Port Credit, Streetsville	W. F. Smith, B.A., B.Paed.	Brampton.
Perth, North, and Wellington (in part); Towns of Listowel, Mitchell; Village of Milverton	A. E. Nelson, B.A.	Stratford.
Perth, South, and City of Stratford; Town of St. Mary's	G. N. Edwards, B.A., B.Paed.	Stratford.
Peterborough, East; Villages of Havelock, Lakefield, Norwood	M. H. Park, B.A., B.Paed.	Peterborough.
Peterborough, West, and Victoria, East; Town of Lindsay; Villages of Bobcaygeon, Omemee	R. F. Downey, B.A., B.Paed.	Peterborough.
Prescott and Russell (No. 1); Towns of Hawkesbury, Rockland, Vankleek Hill, Village of L'Orignal (Prot. Sep. Sch.)	G. R. Smith, B.A., B.Paed.	Ottawa, 188 Second Ave.
Prescott and Russell (No. 2)	Roger Saint-Denis, M.A.	Ottawa, 404 MacLaren St.
Prescott and Russell (No. 3); Village of L'Orignal (Pub. S.)	J. S. Gratton	Plantagenet.
Prescott and Russell, (No. 4); Glengarry (in part)	Joseph Lapensee, B.A.	Plantagenet.
Prince Edward; Town of Picton; Villages of Bloomfield, Wellington	A. F. Brown, B.A.	Picton.
Renfrew, North; Town of Pembroke; Village of Cobden	Norman Campbell, M.A.	Pembroke.
Renfrew, South; Towns of Arnprior, Renfrew; Villages of Barry's Bay, Braeside, Eganville, Killaloe Station	H. Bolingbroke, B.A., B.Paed.	Renfrew.

(2) County—Public

Inspectorate	Inspector	Address
Simcoe, Centre; Towns of Barrie, Penetanguishene (Prot. Sep. Sch.)	W. R. McVittie, B.A.	Barrie.
Simcoe, East; Muskoka (in part); Towns of Midland, Orillia; Villages of Coldwater, Port McNicoll, Victoria Harbour	J. A. Gibson, B.A., B.Paed.	Orillia.
Simcoe, North; Town of Penetanguishene (Pub. S.)	H. J. Payette, B.A.	Chatham.
Simcoe, South; York (in part); Town of Alliston; Villages of Beeton, Bradford, Tottenham	C. A. Lapp, B.A., B.Paed.	Bradford.
Simcoe, West, Grey (in part); Dufferin (in part); Towns of Collingwood, Stayner; Village of Creemore	J. K. Evans, B.A.	Collingwood.
Stormont; Town of Cornwall; Village of Finch	James Froats, M.A., B.Paed.	Finch.
Victoria, West; Villages of Fenelon Falls, Woodville	C. W. Lees, B.A., B.Paed.	Lindsay.
Waterloo, North; Towns of Elmira, Waterloo	G. H. Dobrindt, B.A.	Kitchener.
Waterloo, South; City of Galt; Towns of Hespeler and Preston; Villages of Ayr, New Hamburg	Chas. Howitt, B.A., B.Paed.	Galt.
Welland, East; City of Niagara Falls; Town of Thorold; Village of Chippawa	Z. S. Phimister, B.A., B.Paed.	Niagara Falls, 1166 Victoria Ave
Welland, South; Towns of Fort Erie, Port Colborne; Village of Humberstone	N. R. Wightman, B.A.	Welland, 39 Oakland Ave.
Welland (in part); Lincoln (in part); Village of Fonthill	W. A. Marshall, B.A., B.Paed.	Welland, 84 Merritt St. W.
Wellington, North; Towns of Fergus, Harriston, Mount Forest; Palmerston; Villages of Arthur, Clifford, Drayton, Elora	H. Bowers, M.A., D.Paed.	Fergus.
Wellington, South; City of Guelph; Village of Erin	G. G. McNab, M.A., D.Paed.	Guelph.
Wentworth; Town of Dundas; Villages of Waterdown, Stoney Creek	C. B. Routley, M.A.	Hamilton, Court House
York (No. 1); Towns of Aurora, Newmarket; Villages of Markham, Woodbridge, Richmond Hill, Stouffville	W. H. T. Mooney, B.A., B.Paed.	Toronto, 200 Douglas Dr.
York (No. 2); Towns of Mimico, New Toronto, Weston; Village of Long Branch	M. R. Fydell, B.A.	Toronto, 6 Olympus Ave.
York (No. 3); Village of Swansea	W. A. Fydell, B.A., B.Paed.	Toronto, 8 Olympus Ave.
York (No. 4)	W. W. A. Trench, B.A.	Richmond Hill.
York (No. 5)	J. E. Wilkinson, B.A., B.Paed.	Toronto, 12, 34 Chudleigh Ave
York (No. 6); Town of Leaside; Village of Forest Hill	C. F. Cannon, B.A., B.Paed.	Toronto, 374 St. Clement Ave.

(3) District—Public

Inspectoral Division	Inspectorate	Inspector	Address
I	Kenora and Thunder Bay (in part); Towns of Dryden, Keewatin, Kenora and Sioux Lookout	S. Shannon, B.A.	Kenora.
II	Rainy River; Towns of Fort Frances, Rainy River	W. E. Eade, B.A., B.Paed.	Fort Frances.
III	Thunder Bay (in part); City of Fort William	L. J. Williams, B.A.	Fort William.
IV	Thunder Bay (in part); City of Port Arthur	W. J. Judd, B.A.	Port Arthur.
V	Algoma (in part); City of Sault Ste. Marie; Willage of Hilton Beach	D. T. Walkom, B.A.	Sault Ste. Marie.
VI	Algoma (in part); Nipissing (in part); Parry Sound (in part); Sudbury (in part); Towns of Capreol, Coniston, Copper Cliff	Wm. MacMillan, B.A., B.Paed.	Sudbury.
VII, Part I	Algoma (in part); Sudbury (in part); City of Sudbury; Towns of Blind River, Frood Mine, Massey, Webbwood	O. M. MacKillop, B.A., B.Paed.	Sudbury.
Part II	Sudbury (in part)	L. Carrière, B.A.	Sudbury.
VIII	Algoma (in part); Manitoulin; Towns of Bruce Mines, Gore Bay, Little Current, Nesterville, Thessalon	Sidney Geiger, B.A.	Gore Bay.
IX	Cochrane (in part); Towns of Cochrane, Hearst, Smooth Rock Falls, Timmins	W. F. Hiscocks, B.A.	Iroquois Falls.
X Part I	Cochrane (in part), and Temiskaming (in part); Towns of Englehart, Iroquois Falls, Matheson	H. H. Langford, B.A.	Kirkland Lake.
Part II	Cochrane (in part)	R. R. Maurice, B.A.	Haileybury.
XI	Timiskaming (in part); Towns of Charlton, Cobalt, Haileybury, Latchford, New Liskeard; Village of Thornloe	W. L. Lovell, B.A.	Haileybury.
XII, Part I	Nipissing (in part) and Parry Sound (in part); City of North Bay; Towns of Cache Bay, Mattawa, Sturgeon Falls	J. W. Trusler, B.A.	North Bay, 306 McIntyre St. W.
Part II	Nipissing (in part)	F. Choquette, B.A.	Ottawa, 121 Frank St.
Part III	Nipissing (in part); Sudbury (in part)	C. Charron, B.A.	Sturgeon Falls
XIII	Muskoka (in part); and Nipissing, South (in part); Parry Sound (in part); Towns of Kearney, Powassan, Trout Creek; Villages of Burk's Falls, South River, Sundridge	E. R. Underhill, B.A.	North Bay, 411 Main St. W.
XIV	Muskoka (in part), and Parry Sound, (in part); Town of Parry Sound; Village of Rosseau	J. L. Moore, B.A.	Parry Sound.
XV	Muskoka (in part); Towns of Bala Bracebridge, Gravenhurst; Villages of Port Carling, Windermere	G. S. Johnson, B.A.	Bracebridge.
XVI	Haliburton and Muskoka (in part); Town of Huntsville	Archibald Stouffer	Minden.

(4) SEPARATE

Inspectoral Division	Inspectorate	Inspector	Address
I	Districts of Algoma, Kenora, Manitoulin, Rainy River, Sudbury (in part), Thunder Bay; Cities of Fort William, Port Arthur, Sault Ste. Marie (in part), Sudbury (in part); Towns of Fort Frances, Keewatin, Kenora, Little Current, Rainy River, Sioux Lookout	W. J. Greening, BA., B.Paed	Port Arthur, 288 Harrington Ave.
II	Districts of Nipissing (in part); Sudbury (in part); Cities of Sudbury (in part), Sault Ste. Marie (in part); Towns of Blind River, Chelmsford, Coniston, Massey	L. Carrière, B.A.	Sudbury, 112 College St.
III	District of Cochrane (in part); Towns of Cochrane, Hearst, Iroquois Falls, Smooth Rock Falls	Remi Millette, B.A., B.Paed.	Cochrane.
IV	Districts of Nipissing (in part); Parry Sound (in part); Sudbury (in part); Towns of Bonfield, Cache Bay, Sturgeon Falls	C. X. Charron, B.A.	Sturgeon Falls.
V	Districts of Cochrane (in part); Timiskaming (in part); Towns of Charlton, Cobalt, Haileybury, New Liskeard, Timmins; Village of Thornloe	R. R. Maurice, B.A.	Haileybury.
VI	County of Essex (in part); City of Windsor (in part); Towns of Amherstburg, Riverside (in part)	T. S. Melady, B.A.	Windsor, 1509 Dufferin Place.
VII	County of Essex (in part); City of Windsor (in part); Towns of La Salle, Riverside (in part); Village of Tecumseh	Lucien Laplante	Windsor, 1346 Benjamin Ave.
VIII	Essex (in part), Huron, Kent, Lambton, Muskoka District; Simcoe Co. (in part); Cities of Chatham, Sarnia; Towns of Blenheim, Essex, Leamington, Midland, Tilbury, Wallaceburg	H. J. Payette, B.A.	Chatham, 48 Robertson Ave.
IX	Counties of Bruce, Huron, Middlesex, Norfolk, Perth; Cities of London, Stratford, St. Thomas, Woodstock; Towns of Goderich, Ingersoll, St. Mary's, Seaforth, Simcoe, Tillsonburg, Walkerton, Parkhill; Villages of Delhi, Mildmay, Teeswater	V. C. Quarry, B.A.	London, 613 Wellington St.
X	Counties of Grey, Waterloo, Wellington; Cities of Brantford, Galt, Guelph, Kitchener, Owen Sound; Towns of Hanover, Hespeler, Mount Forest, Paris, Preston, Waterloo; Villages of Arthur, Elora, Fergus	J. C. Walsh, B.A., B.Paed.	Kitchener, St. Mary's Sch., Young St.
XI	County of Wentworth; Cities of Hamilton, St. Catharines; Town of Dundas	J. V. Scanlan, B.A.	Hamilton, 36 Beulah Ave.

(4) Separate

Inspectoral Division	Inspectorate	Inspector	Address
XII	Counties of Northumberland, Ontario, Peel, Peterborough, Simcoe, Victoria, York (in part); Cities of Niagara Falls, Oshawa, Peterborough; Towns of Barrie, Campbellford, Cobourg, Lindsay, Collingwood, Merritton, Mimico, Newmarket, Oakville, Orillia, Picton, Thorold, Trenton, Weston, Whitby; Villages of Hastings, Port Dalhousie.........	L. J. Langan, B.A.........	Toronto, 325 Rose Park Dr.
XIII	City of Toronto (in part); York (in part); Villages of Forest Hill, Swansea	W. J. Lee, B.A...........	Toronto, 434 Brunswick Ave.
XIV	City of Toronto (in part); York (in part); Towns of Kearney, Leaside.	J. M. Bennett, M.A., Ph.D.	Toronto, 47 Browning Ave.
XV	Counties of Frontenac, Hastings (in part); Glengarry (in part); Addington, Stormont (in part); Cities of Belleville, Kingston; Towns of Alexandria (in part), Brockville, Cornwall (in part), Gananoque, Prescott; Villages of Chesterville, Marmora, Tweed, Portsmouth.............	C. P. Matthews, B.A., B.Paed...............	Kingston, 98 William St. W.
XVI	Counties of Lanark, Leeds, Renfrew (in part); Nipissing District (in part); City of North Bay (in part); Towns of Almonte, Arnprior, Pembroke (in part); Perth, Renfrew, Smith's Falls; Villages of Barry's Bay, Eganville, Killaloe Station, Westport......................	J. T. Anderson, B.A.......	Renfrew.
XVII	County of Carleton (in part); City of Ottawa (in part); Town of Eastview (in part)......................	F. J. McDonald, M.A., B.Paed.............	Ottawa, 860 Echo Drive.
XVIII	City of Ottawa (in part), Clarkstown.	C. A. Latour, B.A.........	Ottawa, 67 Osgoode St.
XIX	Counties of Carleton (in part); Renfrew (in part); Nipissing (in part); Cities of North Bay (in part); Ottawa (in part); Towns of Mattawa, Pembroke (in part)..............	F. Choquette, B.A........	Ottawa, 121 Frank St.
XX	Counties of Carleton (in part); Dundas; Russell (in part); Stormont (in part); Town of Eastview (in part); Village of Casselman.............	Roger Saint-Denis........	Ottawa, 404 McLaren St.
XXI	Counties of Prescott (in part); Russell (in part); Stormont (in part); Towns of Cornwall (in part); Rockland...	J. S. Gratton.............	Plantagenet.
XXII	Counties of Glengarry (in part); Prescott (in part); Russell (in part); Stormont (in part); Towns of Alexandria (in part); Hawkesbury; Vankleek Hill; Village of Lancaster....	Joseph Lapensee, B.A.....	Plantagenet.

B—SECONDARY SCHOOLS

G. F. Rogers, B.A., LL.D.—Chief Inspector

Secondary School Inspectors

R. W. Anglin, M.A.
A. J. Husband, B.A.
W. A. Jennings, B.A.
A. G. Hooper, M.A.
G. L. Gray, B.A.
S. D. Rendall, B.A.
R. H. Wallace, M.A.

Vocational School Inspectors

F. S. Rutherford, B.A.Sc.
Miss A. M. Hamill, B.A.
Miss A. W. Cameron, B.A.
Miss E. D. McKim, B.A.
L. S. Beattie, B.A.
A. M. Moon, B.A.Sc.
Norman Davies, B.A.
D. W. Gordon

Registrar of Trade Schools—W. S. Kirkland, M.A., LL.D.
Address of above Officials—Parliament Buildings, Toronto.

TABLE 44—PUBLICATIONS OF THE DEPARTMENT OF EDUCATION

(NOTE—The year in brackets indicates the latest revision.)

Reports

1. *Report of the Minister*
2. *Report of Staffs of Public and Separate Schools*
3. *Report of Staffs of Collegiate Institutes, High Schools, Continuation Schools, Vocational Schools, Senior Auxiliary Schools, Normal Schools and Normal-Model Schools*
4. *Report of the Committee of Enquiry into the Cost of Education in the Province of Ontario (1938)*
5. *Report on the operation of The Trade Schools Regulations Act (1938)*
6. *Sixth Report of the Actuary on the Condition of the Teachers' and Inspectors' Superannuation Fund (1939)*

Acts*

1. *The Department of Education Act (1934)*
2. *The Public Schools Act (1939)*
3. *The Separate Schools Act (1936)*
4. *The High Schools Act (1938)*
5. *The Continuation Schools Act (1938)*
6. *The Vocational Education Act (1930)*
7. *The School Attendance Act (1938) and The Adolescent School Attendance Act (1938)*
8. *The Boards of Education Act (1938)*
9. *The School Sites Act (1934)*
10. *The Auxiliary Classes Act (1936)*
11. *The Public Libraries Act (1939)*
12. *The University Act (1928)*
13. *The School Law Amendment Acts (1936 to 1940)*
14. *The Community Halls Act (1927)*
15. *The Teachers' and Inspectors' Superannuation Act (1936)*

*Price 25c each.

Regulations

1. *General Regulations, Public and Separate Schools (1939)*
2. *Regulations of the High Schools and Collegiate Institutes (1939)*
3. *Regulations of the Continuation Schools (1939)*
4. *Recommendations and Regulations for the Establishment, Organization, and Management of Vocational Schools, and Vocational Departments in Continuation Schools, High Schools and Collegiate Institutes (1936)*
5. *Regulations, Examinations, and Courses of Study of the Normal Schools (Cir. 23) (1940)*
6. *Special Regulations and Courses of Study of the University of Ottawa Normal School (Cir. 23-B) (1939)*
7. *Extracts from the Statutes for Use in the Normal Schools (1939)*
8. *Regulations for the Administration of the Consolidated Schools (Cir. 40)(1935)*
9. *Regulations for Auxiliary Classes (Cir. A.C. 6) (1939)*
10. *Regulations respecting the Application of the School Attendance Act and the Adolescent School Attendance Act (Cir. A.A. 1) (1932)*
11. *Regulations respecting Medical and Dental Inspection of Public and Separate Schools (Cir. 56-D) (1928)*
12. *Instructions to School Inspectors re the Apportionment of the Legislative Grant among the Public and Separate Schools (Instr. 12) (1940)*
13. *Regulations respecting Special Departmental Grants to Public and Separate Schools (Cir. 56) (1939)*
14. *Regulations respecting Special Departmental Grants in Agriculture for Public and Separate Schools (Cir. 56-E) (1939)*
15. *Regulations for Inspectors' Certificates (Cir. 37) (1940)*
16. *Instructions to Presiding Officers and Candidates regarding the Annual Departmental Examinations (Instr. 5)*
17. *Regulations of The High School Entrance Examination (Cir. 48)*

Regulations—*Continued*

18. *General Regulations for Teachers' Institutes* (*Cir. 60*) (*1930*)
19. *Regulations respecting Permanent Certificates* (*Kindergarten-Primary, Second Class, First Class*) *Cir. 72*) (*1939*)
20. *Recommendations and Regulations for the Establishment, Organization and Management of Home Economics and General Shop Work Courses in Secondary Schools and in Grades IX and X of the Public and Separate Schools*
21. *Recommendations and Regulations for the Establishment, Organization, and Management of Manual Training Courses in Public and Separate Schools* (*1939*)
22. *Recommendations and Regulations for the Establishment, Organization, and Management of Home Economics Courses in Public and Separate Schools* (*1939*)
23. *Recommendations and Regulations for the Establishment, Organization, and Management of Home Economics and Manual Training General Shop Courses in Secondary Schools and in Grades IX and X of the Public and Separate Schools* (*1939*)
24. *Regulations for Grades IX, X, XI, XII, and XIII in Collegiate Institutes, High, Vocational and Continuation Schools and for Grades IX and Xin Public and Separate Schools* (*re Subjects of Study, Special Grants, Qualifications of Teachers*)(*1939*)

Courses of Study

1. *Programme of Studies for Grades I to VI of the Public and Separate Schools* (*1939*)
2. *Programme of Studies for Grades VII and VIII of the Public and Separate Schools* (*1939*)
3. *Courses of Study for Grades IX and X* (*Lower School and Fifth Classes*) *in Collegiate Institutes, High, Vocational, and Continuation Schools, and Public and Separate Schools* (*1938*)
4. *Courses of Study, Middle and Upper Schools, and Examinations of the High Schools, Collegiate Institutes and Continuation Schools* (*1938*)
5. *Suggested Courses of Study for Commercial High Schools and Departments established under the Vocational Education Act* (*1932*)
6. *Courses of Study and Examinations in Schools Attended by French-Speaking Pupils* (*Cir. 46*) (*1939*)
7. *Music in Rural Schools* (*1937*)
8. *An Introductory Course in Music Appreciation through Listening, for Elementary Schools* (*1938*)
9. *Operettas, Music Plays, Cantatas* (*1938*)

Text Books

1. *Text Books Authorized and Recommended, and Text Book Regulations for Public, Separate, Continuation and High Schools and Collegiate Institutes* (*Cir. 14*) (*1939*)
2. *Text Books Authorized and Approved for Vocational Schools* (*Cir. 52*) (*1939*)
3. *Supplementary Reading for Departmental Examinations* (*Cir. 58*) (*1939*)
4. *Suggested Books for Supplementary Reading in English Literature, Grades IX and X* (*1939*)
5. *Teachers' Manuals, etc.* (*1937*)
6. *Upper School Requirements in Modern Languages* (*Cir. 69*) (*1936*)
7. *A Graded List of French Supplementary Reading Books* (*Prepared for Schools which are Attended by French-Speaking Pupils, and in which French is a Subject of Instruction with the Approval of the Minister*)

Miscellaneous

1. *General Announcement of Summer Courses*
2. *School Year and Holidays* (*Form 94*)
3. *Selected Scripture Readings*
4. *Teachers' Library for Public and Separate School Teachers* (*1938*)
5. *Health Handbook for Teachers in Public and Separate Schools* (*1938*)
6. *Canadian Intelligence Examination.*

UNIVERSITY OF TORONTO
REPORT

OF THE

BOARD OF GOVERNORS

FOR THE

YEAR ENDED 30th JUNE
1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 12, 1940

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

UNIVERSITY OF TORONTO

REPORT

OF THE

BOARD OF GOVERNORS

FOR THE YEAR ENDED 30TH JUNE, 1939

To His Honour the Lieutenant-Governor-in-Council:—

The Governors of the University of Toronto have the honour to present their thirty-third annual report, together with a comprehensive review by the President of the academic work of the University and its Colleges for the Session 1938-39, and the reports of various officers and departments. A complete synopsis of the numerous developments which have taken place within the University during the past year and its contribution to public service are contained in these reports.

Statements covering the funds and assets, including investments, etc., are also presented as they stood at the close of business on 30th June, 1939, together with detailed statements of receipts and expenditures of the Board for the fiscal year which ended on that date, and the certificate of audit of the same by Mr. G. T. Clarkson of the firm of Clarkson, Gordon, Dilworth and Nash.

The auditor's report states that all the transactions of the year upon the Revenue and Capital accounts have been duly audited and found correct; that the securities representing the investments, which are held for safekeeping by the Canadian Bank of Commerce, were produced for his examination twice during the year and found to be in agreement with the Bursar's records; and that this officer's records are well kept and all endowment and trust funds properly accounted for.

The Governors availed themselves of an opportunity which presented itself during the year of purchasing out of the funds of the Whitney Bequest the property known as No. 119 St. George Street, having an area of 33,760 square feet with a substantial brick house thereon, for the sum of $30,000. The premises have been altered and provision made for the Department of Military Studies and the University of Toronto Contingent of the Canadian Officers' Training Corps, the new drill hall at the rear being erected from the funds provided by the Corps and presented to the University.

The general revenue for the year amounted to $1,715,876. There was also credited to revenue the Special Legislative Grant of $1,100,000, making a gross total of $2,815,876. From this sum, however, there is to be deducted $69,412, representing interest written to certain scholarship and trust funds and including interest on bank accommodation, leaving available for expenditure for salaries and maintenance $2,746,464.

The expenditure under the appropriations made by the Board for these purposes, (exclusive of the Ontario College of Education which is maintained by a separate vote) the estimates for which were approved by the Minister of Education, totalled $2,972,677. As a result there was an excess of expenditures over receipts of $226,213 which, together with the accumulated debit balance of $111,701 brought forward from previous years, makes a total deficit to 30th June, 1939, of $337,914.

Every effort was made during the year to reduce all controllable expenditure, which resulted in a considerable saving in the Estimates as originally prepared.

All of which is respectfully submitted.

D. Bruce Macdonald,
Chairman.

Toronto, 23rd November, 1939.

PRESIDENT'S REPORT

1938--1939

To the Governors of the University of Toronto:

GENTLEMEN:

I have the honour to present herewith my report on the academic work of the University and University College for the twelve months ending on the 30th June, 1939:

INTRODUCTION

The detailed reports of the faculties and departments of the University are appended. They have been carefully prepared by the several deans and heads, and give an extended account of the conditions, achievements, and problems within the University. They deserve careful reading. In my comments on the work of the year I give only supplementary information and a summary of outstanding features.

ATTENDANCE

The total number of students enrolled was 7,960, of whom 5.086 were men and 2,874 women; 7,322 being registered in the colleges and faculties, and 638 in the departments. The number of students proceeding to degrees was 6,410 and to diplomas 812. Of the students in attendance 3,799 came from Toronto, and 3,323 from other parts of the Province of Ontario. Every county is represented. There has been an increase in registration of 119.

Our general attendance for some years past hovers between 7500 and 8000. The increase of fees and the financial uncertainty due to the prospect of war will probably reduce registration next year. The aim of a university will always be to provide the opportunity of higher education for those most capable of profiting by it, and to secure quality rather than numbers.

THE STAFF

The total staff of the University and University College numbered 938, of whom 127 were professors, 84 associate professors, 99 assistant professors, 216 lecturers, associates (in medicine and dentistry) and instructors in the Ontario College of Education, 1 director, 1 assistant director, 412 demonstrators, fellows, and instructors with sessional appointments.

In the federated colleges there are 117.

The total number in the complete staff is 1055.

During the year we have suffered the loss of members of the staff in the past and present. The list is as follows:

A. P. Coleman, M.A., Ph.D. (Bres.), LL.D. (Queen's), D.Sc., F.R.S., F.R.S.C., professor emeritus of geology; appointed September 1, 1891.

Charles F. Heebner, Phm.B., dean of the College of Pharmacy from 1891-1938.

W. B. Hendry, D.S.O., B.A., M.B., F.C.O.G. (Eng.), F.R.C.S. (C.), professor emeritus of obstetrics and gynaecology; appointed July 1, 1907.

D. R. Keys, M.A., professor emeritus of English; appointed July 1, 1883. (Died July 11, 1939.)

Miss A. L. Laird, M.Sc. (Drexel), professor emeritus of household science; appointed August 16, 1906.

A. J. MacKenzie, B.A., M.B., LL.B., senior demonstrator in medicine; appointed July 1, 1901.

J. P. McMurrich, M.A., Ph.D. (Johns Hopkins), LL.D. (Tor., Mich., Cinn.), F.R.S.C., professor emeritus of anatomy; appointed July 1, 1907.

Gilbert Royce, B.A., M.B., associate professor of oto-laryngology; appointed July 1, 1911.

W. G. Switzer, D.D.S., associate professor of dentistry; appointed July 1, 1925.

The following retired:

F. C. Dyer, B.A.Sc., professor of ore dressing in the department of mining engineering; appointed July 1, 1909.

P. G. Goldsmith, C.B.E., M.D., C.M., F.R.C.S. (C.), professor of oto-laryngology; appointed July 1, 1911.

H. E. T. Haultain, C.E., professor of mining engineering; appointed October 1, 1908.

J. H. Mills, M.A. (Queen's), instructor in classics in the University Schools; appointed November 1, 1923.

H. C. Parsons, M.A., M.D., F.R.C.P. (London), associate in medicine, appointed July 1, 1903.

The following resigned their positions:

Miss K. E. Bennett, B.A. M.A. (Col.), lecturer in household science; appointed July 1, 1929.

M. A. Cameron, M.A. (British Columbia), Ph.D. (Tor.), assistant professor of educational research; appointed July 1, 1935.

J. A. Irwin, B.A., instructor in the University Schools; appointed October 1, 1910.

A. G. McPhedran, B.A., M.B., F.R.C.P. (C.), associate in medicine; appointed July 1, 1903.

G. F. Marrian, D.Sc. (London), F.R.S.C., professor of biochemistry; appointed July 1, 1933.

F. A. Mouré, Mus. Doc., bursar of the University; appointed June 1888.

J. Satterly, M.A., Ph.D. (Cambridge), lecturer in geology and assistant director of the Royal Ontario Museum of geology; appointed July 1, 1935.

The names and periods of university teaching of these distinguished members of our staff who have passed away or retired recall records of great personal achievement in the fields of teaching, research and publication.

Those who through the passing of the years are withdrawing from our active ranks deserve our gratitude for their fine services to the university and the community. May their leisure time be filled with new interests, old friendships and continued loyalty to the institution they have served so well.

Leave of absence was granted to:

For the session: G. A. Cline, M.A., instructor in University Schools; C. N. Cochrane, B.A., M.A. (Ox.) professor of ancient history.

For the Michaelmas term: F. V. Winnett, M.A., Ph.D., assistant professor of semitic languages.

For the Easter term: F. C. Dyer, B.A.Sc., professor of ore dressing in the department of mining engineering; N. J. Endicott, B.A. (Tor., Ox.), B. Litt (Ox.), assistant professor of English; J. G. FitzGerald, M.D., LL.D. (Queen's), F.R.S.C., F.R.C.P. (C.), professor of hygiene and preventive medicine and director of the school of hygiene and Connaught Laboratories; L. T. Morgan, B.A. (British Columbia), M.A., Ph.D. (California), assistant professor of political economy; H. W. Price, B.A.Sc., professor of electrical engineering.

The following new appointments and promotions were made during the year:

In the Faculty of Arts:—Appointments: B. Wilkinson, M.A., Ph.D. (Manc.), professor of mediaeval history; S. D. Clark, M.A. (Sask., McG.), Ph.D., lecturer in sociology; L. Infeld, Ph.D. (Cracow), lecturer in applied mathematics; S. B. Jones, B.S. (Wash.), M.A., Ph.D. (Harv.), lecturer in geography; M. Joos, M.A. (Wisc.), lecturer in German; H. A. Logan, B.A. (Ac. Yale), Ph.D. (Chic.), associate professor of political economy.

Promotions: S. N. F. Chant, M.A., from an associate-professorship to a professorship in psychology; A. R. Gordon, M.A., Ph.D., F.R.S.C., from an associate-professorship in chemistry; W. J. McCurdy, B.A. (Dal.), M.A., Ph.D, (Harv), from an assistant-professorship to an associate-professorship in philosophy; H. Grayson-Smith, B.A., Ph.D., from an assistant-professorship to an associate-professorship in physics; E. K. Brown, B.A., D es L. (Paris) and A. S. P. Woodhouse, B.A., A.M. (Harv.) to professorships in English; P. H. Brieger, Ph. D. (Bres.) from a lectureship to an assistant-professorship in fine art; V. F. Coe, Ph. B. (Chic.) from a lectureship to an assistant-professorship in political economy; R. M. Saunders, A.M. (Clark), Ph.D. (Corn.), from a lectureship to an assistant-professorship in history; G. F. Wright, B.S., Ph.D. (Iowa), from a special lectureship to an assistant-professorship in chemistry.

In the Faculty of Medicine:—Appointments: J. K. W. Ferguson, M.A. M.D., assistant professor of pharmacology; F. O. Wishart, B.A., M.D., lecturer in hygiene and preventive medicine.

Promotions:—I. H. Erb, M.B., from a lectureship to an assistant-professorship in pathology and bacteriology; W. Magner, M.D., B.Ch., B.A.O., D.P.H., N.U.I., from a lectureship to an assistant-professorship in pathology and bacteriology; Miss M. A. Ross, B.A. (Dal.), M.A., Ph.D., from a lectureship to an assistant-professorship in biometrics.

In the Faculty of Applied Science:—Appointments: C. G. Williams, B.A.Sc., professor of mining engineering; G. F. Tracy, B.A.Sc., M.S. (Mass. Inst. Tech.), associate professor of electrical engineering; R. Leggett, M. Eng. (Liv.), assistant professor of civil engineering; V. L. Henderson, B.A.Sc., A.M. (Mich.), lecturer in applied physics; W. C. Macdonald. M.A.Sc., lecturer in chemical engineering; R. B. McIntyre, B.A.Sc., B.A. (Camb.), lecturer in applied mechanics; J. E. Reid, B.A.Sc., lecturer in electrical engineering.

Promotions: F. C. Dyer, B.A.Sc., from an associate-professorship to a professorship in mining engineering; J. T. King, B.A.Sc., from an associate-professorship to a professorship in mining engineering; K. B. Jackson, B.A.Sc., from an assistant-professorship to an associate-professorship in applied physics; W. G. McIntosh, B.A.Sc., from an assistant-professorship to an associate-professorship in mechanical engineering; V. G. Smith, B.A.Sc., from an assistant-professorship to an associate-professorship in electrical engineering.

In the Faculty of Household Science:—Appointment: Miss M. D. Smith, M.A., Ph.D., lecturer in food chemistry.

In the Faculty of Music:—Promotions: H. Willan, Mus. Doc., from a lectureship to a professorship; Leo Smith, Mus. Bac. (Manchester), from a lectureship to a professorship.

In the Faculty of Dentistry:—Appointments: P. G. Anderson, D.D.S., associate; Miss D. F. J. Berry, M.A., associate.

Promotions: J. H. Johnson, D.D.S., from an associateship to an associate-professorship; L. F. Krueger, D.D.S. (Iowa), from an associateship to an associate-professorship; C. H. M. Williams, D.D.S., B.Sc. (Dent.), from an associateship to an associate-professorship; R. S. Woollatt, D.D.S., from an associateship to an associate-professorship.

In the School of Nursing:—Appointment: Miss M. J. Wilson, B.A. (Sask.), lecturer.

In the Ontario College of Education:—Appointments: W. B. Gray, B.A., instructor in University Schools; Miss R. E. Ratz, B.A., lecturer in home economics; Miss M. E. Silverthorn, B.A. (Alberta), B.S. in L.S., A.M. (Ill.), assistant professor in library science.

In administration:—Appointment: C. E. Higginbottom, bursar, and secretary to the Board of Governors.

Honours were conferred upon members of the staff:

Professor W. P. M. Kennedy, head of the department of law, has been engaged as legal adviser to the Royal Commission on Dominion-Provincial Relations; Dr. Trevor Owen of the department of medicine has been elected a Fellow of the Royal College of Physicians of London, England; Professor C. H. Best of the department of physiology has delivered the Eastman Memorial Lecture in Rochester, N.Y., and has been invited to address the Yale Medical Society in New Haven, Conn., and to give the Renziehausen Memorial Lecture in Pittsburgh, Pa., to address a joint meeting of the Institute of Medicine of Chicago and of the Chicago Society of Internal Medicine in Chicago, and to give a Mayo Foundation Lecture in Rochester, Minn.; Professor E. A. Bott of the department of psychology has been elected President of the Canadian Psychological Association; Sir Ernest MacMillan, dean of the faculty of music, has been elected an honorary member of the Royal Academy of Music of London, England; Sir Frederick Banting, of the department of medical research, gave the Dixon Memorial Lecture in London, England; Professor J. W. Bain of the department of chemical engineering was awarded the Society of Chemical Industry medal; Professor T. J. Meek of the department of Semitic Languages was appointed annual professor of the American School of Oriental Research in Baghdad for 1939-40 and Director of the Joint Expedition of the University of Pennsylvania Museum and the Baghdad School at Tepe Gawra, Iraq, also appointed co-editor of "Ancient Oriental Documents and Studies" sponsored by the Western Reserve University; Professor Grayson Smith was elected a member of the Fifth Washington Conference on Theoretical Physics.

THE UNIVERSITY IN GENERAL

The reduction of our government grant by $100,000 has made it necessary to increase fees in all faculties, and to practise the most rigorous economies. Should revenues be still further decreased, it will be difficult to maintain our position as a university of front rank on this continent.

Several conferences have been held with the representatives of the Ontario College of Pharmacy in regard to a new agreement whereby students in pharmacy will continue to take certain subjects, such as chemistry, botany, pharmacognomy, in the University. Standards will be raised and probably next year a new scale of payment for the university services will be determined.

Dr. F. A. Mouré, the bursar and secretary of the board of Governors, who has served the University for over fifty years, retired at the end of December, 1938, on account of ill-health. With great reluctance the Board accepted his resignation. His long experience, his clarity of thought and expression, and his efficient conduct of business were devoted without stint to the welfare of the University. Mr. Charles Higginbottom, the assistant bursar, now succeeds him.

One of the outstanding events of the year was the inauguration of the

Falconer Lectureship by the Right Honourable The Earl Baldwin of Bewdley in the month of April. His theme was the interpretation of democracy as an expression of the British people. For three nights Convocation Hall was crowded. The lectures have been published on this continent by our University Press, and over seven thousand copies have been sold. An autographed photograph of Lord Baldwin has been hung in Simcoe Hall.

Lord Baldwin's visit was a happy prelude to the visit of Their Majesties, The King and Queen, to our city, and to Hart House, a full account of which is given in the Warden's report on Hart House.

Members of the staff organised a branch of the Society for the Protection of Science and Learning for the purpose of aiding refugee scholars, forced to leave Europe by the Nazi persecutions. Happily this University has been able to find places on its staff in recent years for several distinguished ex-patriated scholars, and its teaching and research facilities have been greatly strengthened thereby.

Our congratulations are extended to Trinity and St. Michael's Colleges on the erection of their new residential buildings. The University noted with pleasure the appointment of the Rev. John Lowe of Trinity College to the deanery of Christ Church, Oxford, one of the most important academic and ecclesiastical positions in England.

We have lost by death two members of our Board of Governors—Sir Joseph Flavelle, Bart., LL.D., and Mr. Duncan McDougald. Sir Joseph was Chairman of the University Commission of 1905-6, which drew up the constitution under which our University is still operating. He had an intimate knowledge of the general working of the University, and devoted to its service his rich business experience, his broad outlook, and his balanced judgment. By his will he left to the University his spacious residence in Queen's Park (with a request that it be used for the benefit of the women members of staff and the women undergraduates), and the sum of $50,000 to establish fellowships in the School of Graduate Studies.

Mr. McDougald was most regular in his attendance at the meetings of the Board, and had made himself familiar with the intracacies of its business.

We offer our sympathy to the Council of the Federated College, Wycliffe, in the death of its beloved and efficient principal, the Rev. Canon R. B. McElheran.

During the year I sent out a questionnaire to all members of the teaching staff to ascertain the number of hours of teaching and laboratory work done by each, and the size of their various classes. The answers showed that the teaching load was heavy, perhaps in some cases unduly heavy. Too many lectures are no more to be desired than too few. Our staff is certainly doing its duty to the full in the lecturing field. Research and lecturing should be linked together; each will utilise the other.

On November 23rd, the Governor-General, Lord Tweedsmuir, paid a visit to the Connaught Laboratories both at the farm and in Toronto, and expressed his admiration at the equipment, the personnel and the work both of manufacturing and of research that was being accomplished. Dr. FitzGerald accompanied His Excellency on this occasion, the last unhappily before illness necessitated a prolonged rest.

On January 27th the Marquis of Lothian, as secretary of the Rhodes Trust, visited the University in connection with the choice of Rhodes Scholars and the general working of this benefaction. Our congraulations are heartily presented on his subsequent appointment to be His Majesty's ambassador to the United States.

The Marfleet Lectures this year were delivered by President Frank Aydelotte of Swarthmore College, secretary of the Rhodes Scholarship Committee of the United States, and since elected to the headship of the Institute for Advanced Studies at Princeton, in succession to Dr. Abraham Flexner. He discussed "The

Vision of Cecil Rhodes", "The Rhodes Scholars at Oxford" and "The Record of Rhodes Scholars on their return to the United States". These lectures will be published soon by the Princeton University Press.

Under an arrangement made by the Conference of Canadian Universities Dr. C. D. Ellis, professor of physics in King's College, University of London, spent some time visiting our department of physics and giving a course of lectures. It is a stimulus to have a visitor from another famous physical laboratory.

Every year for the past thirteen years the editors of school magazines throughout the Province gather in the West Hall of University College for a two days' convention. Mr. Dunlop of the extension and publicity department and I have the pleasure of welcoming them to the University. These young journalists hear addresses from members of our staff in the department of English and from experts in advertising, printing, lithographing and news and editorial writing. About one hundred were present this year.

At our annual reception on January 27th to the staff of the whole University and their wives over 1300 were present. The social gathering promotes a sense of unity and common membership in one great institution.

During the past academic year I delivered the Josiah Wood lectures at Mount Allison University, New Brunswick, on "Citizenship in relation to the University, the Dominion, and the Empire"; was chosen president of the Conference of Canadian Universities; and received the degree of D.C.L. from Bishop's University, Lennoxville, Q.

FACULTY OF ARTS

One chief purpose of this faculty is to provide an adequate and well-trained supply of teachers for the secondary schools of the Province. The Dean of Arts notes with gratification that there is a decided increase in the number of honour graduates of this University, who are entering the teaching profession. The examinations in the College of Education for the testing of knowledge of the subjects to be taught witness to the thorough training of our graduates.

In classical archaeology we have been fortunate in the services of Professor Homer Thompson. He has spent half of the year in actual excavation work in Greece, and the other half in teaching here. Owing to the political unsettlement of Europe, the American School at Athens is suspending its work for the present; this change of policy will enable Professor Thompson to give his whole time to his archaeological instruction and publication in this University. Professor Wace (of classical archaeology at the University of Cambridge) who visited us during the year, as the Armstrong lecturer in Victoria College, remarked that within a few years Homer Thompson would be recognised as the greatest living classical archaeologist. He is of the greatest value, both to the Museum and the University.

Sociology has been separated from Anthropology, and, for the time being, made a sub-department of economics and political science.

The excavations of Professor McIlwraith and Professor Nash near the town of Aylmer, have yielded many relics of a prehistoric Indian village.

Professor McIlwraith has given me the following report on this work of excavation:

"Nash and I arrived on the first of June. With one student assistant, and later two, it was a relatively easy matter to begin where Nash had left off last year, and we were very lucky in our local contacts. Fortunately or unfortunately the site proved to be much larger than we had expected. We found thirty-seven mounds of varying sizes, probably all early Iroquoian refuse heaps. It was quite impossible, nor would it have been wise, to excavate all of them; so we concentrated on what we felt to be representative ones, and carried on very careful digging, going down three inches at a time over ten-foot squares. I have never been in a place where there was so much material. I think we must have brought back nearly thirty thousand specimens, most of them small pieces of pottery.

We were fortunate enough to unearth a considerable number of rather spectacular specimens, as far as Ontario Iroquoian objects can be so described. Among these was a bone flute, I think the only prehistoric one from Eastern Canada, a small clay head, and a number of pieces of wood showing cutting with stone axes. Just at the end we ran into the imprints of several hundred posts, including one squared log about twelve inches in diameter. This is tremendously interesting, as it has been generally thought that the users of stone axes did not trouble to smooth down their timbers. The work will undoubtedly provide the basis for a good scientific report, with enough suitable material for one or two museum cases. I feel now that we know far more about the history of the early Iroquoian people in Ontario than we did before the excavation started. Our findings will attract a considerable amount of attention scientifically, as well as local and popular interest. A party from the University of Michigan came over while we were working, and went away rather impressed, I think. We also had one of the men who had been working for the University of Western Ontario; he was with us for a week, and I know that he left very short of sleep and definitely convinced of the care with which the University of Toronto and the Royal Ontario Museum of Archaeology were doing their work. We ran into the usual trouble of mosquitoes, heat and dust, and the hours were long; but that is what one expects."

University college is in need of more adequate recreational facilities, and of a new residence for men. A campaign to provide the latter was inaugurated under the chairmanship of the Hon. G. Howard Ferguson, and from the Governors (out of bequests for the purpose), the Government, and private subscriptions a sum of approximately $250,000 has been promised. The estimated total expenditure is $250,000. A continuation of this effort as soon as world conditions permit will realise the amount required. A residence provides a rallying point for members of the college, past and present, and contributes largely to the general education of the undergraduates.

In the department of fine art Mr. Charles Comfort, the distinguished Canadian painter, has been secured to give the technical instruction.

FACULTY OF MEDICINE

The process of choosing students in medicine by not allowing those who fail in the first year to repeat their year has been in force this session. More students have gained honour standing and fewer have failed. So far the regulation has acted as a stimulus. Under the present system of recommendation for both junior and honour matriculation, a student may face his first external examination at the end of his first year. There is room for difference of opinion whether the examination at the end of this pre-medical year is the best period at which his ability to proceed in medicine should be finally determined. Those who fail receive fullest consideration; their cases are reviewed in the light of their career in the secondary schools as well as in the university. If they cannot repeat in medicine, they may register in some other course; their time is not wasted. Some this year have registered in arts, in engineering, or in dentistry.

The department of biochemistry suffered a severe loss in the appointment of Professor G. F. Marrian to the chair of chemistry in relation to medicine in the University of Edinburgh; but he has left behind him a school of research in the field of the chemistry of the sex hormones. He has been succeeded by Professor Lesslie Young (from University College, London, from which Professor Marrian came), who also worked on this continent under Dr. Anderson at Yale and Dr. Shaffer of Washington University. His field is the chemical mechanism of the detoxification process. His researches will enrich the scope of our biochemical teaching. He has lately been elected a Fellow of the Institute of Chemistry in Great Britain.

One of the most notable developments in the department of pathology under the leadership of Professor William Boyd is the re-arrangement of the pathological museum, so that everything pertaining to each disease may be seen in one section.

During the season, Dr. Harold L. Stewart, pathologist of the United States Public Health Service, now working in the Gibbs Memorial Laboratory at Cambridge, Mass., visited our museum and subsequently wrote to Dr. Boyd: "It was a real pleasure to call at your Institute of Pathology and see and hear your ideas on teaching pathology to students. During the time I was at Jefferson Medical College, when we used your text-book for pathology, I followed your publications on the organisation of a museum for student instruction pretty carefully. I must confess, however, that I did not come anywhere near appreciating the splendid system you have developed at Toronto." He suggests that Dr. Boyd should arrange for a sample exhibit of his type of museum at such a gathering as the American Medical Association, so that professors of pathology on this continent might get "a first-hand view of this valuable method of instructing students". Dr. Boyd has already arranged three rooms and hopes to add more during the coming year.

THE SCHOOL OF HYGIENE

This institution is generally recognised as one of the chief centres of public health teaching on the continent. Its holders of the diploma of public health are leaders in preventive medicine throughout the Dominion. In the future further emphasis will be laid on the training of physicians in public health generally and as health officers particularly.

This year was given the first formal course in public health engineering. This postgraduate course was made possible by the co-operation of the School of Hygiene, the Ontario Department of Health, the department of biology, and the faculty of applied science. Herein is illustrated what can be done or provided in any practical field by the combination of university resources.

The advance of preventive medicine and the increase in the products of the Connaught Laboratories are beginning to crowd even the enlarged building.

THE CONNAUGHT LABORATORIES

These are now completing their twenty-fifth year. The story of their origin and growth is most romantic and will always be linked with the names of Dr. J. G. FitzGerald and the late Colonel Sir Albert Gooderham. They have provided life-saving serums and vaccines, and have supported research and teaching in the field of preventive medicine. They have always operated as an institute of medical public service for the whole Dominion.

FACULTY OF APPLIED SCIENCE AND ENGINEERING

There has been for some years a steady increase in the number of students registered in engineering. In 1929-30, 701 were enrolled, this year 925. The prospects are for a further increase next term. This increase indicates a continued demand for young engineers to serve in the material development of Canada. There is almost a crowding in the departments of mechanical and chemical engineering. The teaching load of the staff is heavy, and several members have temporarily been laid aside. There must in engineering be a constant development and addition of courses to meet new demands and changing trends of engineering education.

The Board of Governors set aside $3,000 from the interest on the Wallberg bequest to make it possible for members of the teaching staff to take leaves of absence and visit other engineering schools on the continent. Such contact would freshen the instructors and stimulate interest in the latest developments of engineering teaching.

In response to suggestions from the Engineering Alumni and with the hearty concurrence of the staff it was resolved to have a survey made of our general engineering requirements, problems and organisation. We have an excellent faculty of engineering, but we wish to make it still better by assuring ourselves that we are missing nothing of value in modern engineering instruction in any part of the world. We were fortunate in securing for the purpose of this survey one of the most eminent engineers in the United States, Professor Emeritus Dugald C. Jackson, who for nearly thirty years was head of the department of electrical engineering of the Massachusetts Institute of Technology. Since his recent retirement from active teaching, he has been making a survey of engineering curricula in th United States, and will come to us with ripe experience both as a teacher and an engineer, and as a scientist of broad culture and wide interests. Before making any additions to our buildings or equipment we shall await his report.

Mrs. William Crocker has generously established a loan fund in memory of her son, the late James Crocker, who was killed in a mining accident last year. This is designed specially to help students in this faculty. From the interest on the Wallberg bequest a sum of $2500 annually is devoted to a similar purpose. The repayments have been satisfactory.

FACULTY OF EDUCATION

The general trends here are to a larger enrolment in the specialist courses and to special interest in the supplementary courses in art, physical education, and shopwork, required by the changes in the secondary school curriculum.

The Library School has been able to do better work by reason of an addition to its teaching staff. Its graduates with the degree of Bachelor of Library Science are for the most part also graduates in arts, and seem to be readily placed in library positions.

FACULTY OF HOUSEHOLD SCIENCE

The death of Miss Laird vividly reminds us of the growth of this faculty. Two students formed the first graduating class; the graduates now number in all more than 1000.

There has been effected this year a closer integration between the teaching in household economics and food chemistry.

FACULTY OF FORESTRY

Heavy losses of pulpwood have been due to insect pests. The Dean suggests an insect protective service in each province, which might be joined with the fire-protective service. Fire-rangers could be trained for this purpose, and insect pests might thus be attacked in the early stages.

We are glad to note that the registration in forestry is again on the upgrade.

FACULTY OF MUSIC

Closer co-ordination between the University Faculty of Music and the lecture courses of the Toronto Conservatory of Music has made possible the extended courses of twenty-five lectures in each.

The summer school has been a great success. Teachers of international standing have been secured as instructors.

The honour course in music in the University has become established and includes students from all the colleges in the faculty of arts. Dean Sir Ernest MacMillan and Professors Willan and Leo Smith have charge of all the musical instruction.

THE SCHOOL OF GRADUATE STUDIES

On the efficiency of this school largely depends the reputation of the University in the world of scholarship. This field in Canada this University should increasingly occupy. The work of instruction and supervision can be carried on with comparatively small expense to the University. What is specially needed is the provision of more fellowships and scholarships, if we wish our Canadian youth to continue their advanced studies in their native land. We are grateful for the generous bequest of the late Sir Joseph Flavelle, which will enable us to establish three more graduate fellowships. Our sister universities in the United States have been very generous in granting fellowships to Canadian graduates who apply for them; and appreciate the thoroughness of the training given to Canadian students.

FACULTY OF DENTISTRY

A notable feature of the year's work has been the lecture-clinics given by members of the staff to the dental societies of the Province.

The work of research goes forward, particularly under Doctors Box and Lott.

The fine reputation of the college continues to draw every year a group of young Australian dentists, who take a year's graduate work in this faculty.

THE LIBRARY

The total number of bound volumes is 368,280 (an increase in the year of 16,000), and of pamphlets 140,500 (an increase of 5,000), a total of 508,780. The total circulation remains about the same as last year, over 360,000. In order to make readily available the contents of Canadian periodicals, the circulation department has continued its preparation of an index of Canadian periodicals. This is a real service to Canadian literature.

We are deeply grateful to Professor Lash Miller for the donation of his valuable chemical library of nearly 3,000 volumes.

The Library is crowded. In due time we ought to have either an extension or a new building.

UNIVERSITY EXTENSION AND PUBLICITY

This department has grown steadily during its nineteen years of existence, under the energetic and far-seeing direction of Mr. W. J. Dunlop.

The course in aerial navigation enters its second year with attendance doubled. The Dominion Government has loaned us a Link trainer. The courses in Marketing and for the Ontario Association of Real Estate Boards were new this year, and were largely attended. The lectures given in Marketing are being published in book form for the benefit of future classes.

The enrolment in the regular evening classes is 6730, about the same as last year. The lectures in outside centres are tending to be supplanted by more continuous instruction.

The Director gives much time to advising parents who apply to him in regard to the courses their children should most profitably take.

I may add that all these extension courses carry themselves financially by the fees paid. The University is making through this channel a fine contribution to the educational life of the Province. No longer are institutions of higher learning remote from the general life of the community; they are constantly ministering to that life, and on the university standard of instruction are meeting various public needs as these arise. Through these classes, the university is making and keeping new friends who appreciate the service given them.

DEPARTMENT OF SOCIAL SCIENCE

I report with regret that Dr. Grauer, the head of the department, resigned after two years of good service as director.

This school, designed to train welfare workers, both in principles and in practice, has completed twenty-five years of substantial achievement. Those trained in it are occupying important positions in Canadian welfare work. It is seeking to keep up a wise balance between theory and practice. There is among those most competent to judge, agreement that such training schools should be associated with universities, who can best supply the academic basis for practical training. We hope to secure a successor to Dr. Grauer in the course of the coming year.

The necessity of research work in the field of the physical sciences is universally recognised; it is high time to recognise a similar necessity in the field of the social sciences. I hope that finances will some day make possible the addition of a professor to direct research in this department.

THE SCHOOL OF NURSING

The progress of this school for the training of public health nurses has been remarkable under the leadership of Miss Russell. When it began its work in 1933, it had fifty full-time and 294 occasional students; in 1938-39 it had 115 full-time and 324 occasional. It gives courses in hospital teaching and administration, and indeed serves as a centre of research in nursing education.

The Rockefeller Foundation has generously given $250,000 for its permanent endowment. Under the auspices of the same Foundation, women students from 14 countries outside Canada have been in attendance during this session.

MILITARY STUDIES

This department has been more closely co-ordinated with the Faculty of Arts, and Major Barry Watson, the director, has been given the rank of assistant professor, and as such is a member of the Council.

New quarters have been purchased for this department at 119 St. George Street. Here also will be the headquarters of the Officers Training Corps. From the accumulated funds of the Corps a new drill hall will be erected in the rear of this building. This will provide much needed space for the 300 men who constitute the normal enrolment. The threatening European situation has evoked fresh interest both in the work of the Corps and in Military Studies.

HEALTH SERVICES

Dr. Porter reports that 2480 men have been examined, and that only 20 were found to be unfit for physical training. In the first year 162 men were 6 feet and over in height; the average height of these was 6 feet 1¼ inches, and their average weight was 160 lbs. He notes an improvement in the physical condition of men in the upper years. This indicates that university life under wise medical supervision has resulted in better general health. Arrangements have again been made to give x-ray tests for tuberculosis to students in mining engineering.

Dr. Gordon reports a total of 602 women who have had the physical examination. She points out the need of sufficient gymnasium and recreational facilities. These needs can now be met in due time owing to Sir Joseph Flavelle's bequest of his mansion "Holwood" to be used as a social centre for the women of the university.

A committee of the medical faculty have presented an excellent and suggestive report on a health service for the students. The cost involved has made it necessary to hold it over for further consideration.

ATHLETICS AND STUDENT ACTIVITIES

The opening of the gymnasium and swimming pool at night by the help of the athletic fee of $3 (asked for by the students themselves) has been a great boon.

The senior rugby team lost the championship this year; the Yates Cup went to the team of McGill University. In Canada college athletics are maintained as subordinate to academic studies, and do not, as is the case in some institutions across the boundary line, dominate the whole university. We must maintain the amateur character of these sports, and resist the beginnings of influences that tend to their semi-professionalising. Through the possession of Sir Joseph Flavelle's residence the problem of an athletic building for women bids fair to be solved.

Hart House continues its good work as a unifying and educative influence in the university. The Honourable Vincent Massey never loses his interest in it; and owing to the generosity of the Massey Foundation, many improvements have been made in the decoration and furnishings of the rooms on the west side used for graduates. We are glad that the Warden's health is so much better, that he was able to carry on as usual this year.

The report of Mr. E. A. Macdonald, the secretary of the Students' Administrative Council, is full of interest and marks development in the range of the Council's activities. The Employment Bureau, the Loan Fund, and the Housing Service have made it possible for many students to continue and to complete their university courses. The Council, since it began its loan fund, has loaned in all about $25,000; and these loans are being well repaid. Mr. Macdonald notes that students who have been helped not only repay loans, but often make additional personal contributions to him for the help of other students coming on. The financial position of the Council is sound and strong. I am greatly indebted to it for its constant help in solving student problems and directing student energies.

THE ROYAL ONTARIO MUSEUM

Although the Museum is administered by a separate Board of Trustees, it is closely associated with the work of the University. Its directors of scientific departments are members of the teaching staff of the University. Its collections are becoming world-famous.

By the help of a grant from the Rockefeller Foundation Bishop White is publishing a series of illustrated volumes on the treasures of the Chinese department.

A spectacular addition to the museum of mineralogy is the crystal cave, which Professor Parsons has constructed out of exchanges made with the New York State Museum.

In the museum of palaeontology the series of mural panels, planned by the late Professor W. A. Parks and painted by Mr. G. A. Reid, R.C.A., has been completed. These represent the successive periods in the geological history of the world.

The total attendance at the Museum for the year ending 30th June was 255,134.

An interested and interesting visitor at the Museum during the year was Dr. John Ferguson of Peking, China, a Canadian by birth and for many years an adviser to the Chinese Government. Along with Bishop White, the late Sir Robert Mond and Mr. Sigmund Samuel, he was a donor of the magnificent "H. H. Mu Library", now housed in the Sigmund Samuel Gallery. Another distinguished visitor was Professor Wissler, head of the department of anthropology at Yale University, and keeper of the Museum of Natural History in New York.

RESEARCH

Even a cursory glance at the detailed reports appended will show that the whole university is imbued with the spirit of research. I drew attention last year to the fact that researches are more and more carried on by groups, such as those engaged in the study of silicosis; those members of the staff in paediatrics at the Sick Children's Hospital who are investigating the relation of nutrition to child health; those at the Toronto General Hospital and in the Connaught Laboratories who have been experimenting with heparin as a preventive of blood-clotting after an operation. One of the most striking results of the research spirit has been the building in the physics department of an electron-microscope, which uses the electron instead of the light ray, and gives a magnification of 30,000 times. The possibilities thus opened up are incalculable.

I again refer to the need of adding two storeys to the Banting Institute to accommodate the growing work there carried on.

THE SUPERINTENDENT OF BUILDINGS

Colonel LePan reports that his office directly supervises 59 buildings and lends a helping hand to the federated colleges. An idea of the material size of the university's equipment may be gained from some items in his statement. The cost of fuel and purchased heat was $104,000. The average number of employees was 285; and their salaries and wages amounted to $329,000. Merchandise distributed through the Superintendent's stores reached the value of $97,000. The number of accounts passed for payment was 24,214. 1663 customs entries were cleared. The turn-over in the post-office was more than $37,500 (of which postage stamps accounted for $22,700). The total cost of operating the Central Heating Plant was $145,016.

VISITING LECTURERS

During the year the following special lectures were delivered:

Three lectures, inaugurating the Sir Robert Falconer Lectureship, by The Right Honourable the Earl Baldwin of Bewdley, K.G., former Prime Minister of Great Britain; three lectures on the Marfleet Foundation, by President Frank Aydelotte of Swarthmore College, on "The Vision of Cecil Rhodes"; four lectures on the Alexander Foundation, by Professor Douglas Bush of Harvard University, on "Modern Theories of the Renaissance", "Continental Humanism", "English Humanism" and "Milton"; on the Donald C. Balfour Lectureship in Surgery; a lecture by Professor Mont R. Reid, University of Cincinnati, on "Personal experiences with vascular problems in the laboratory and in humans"; a lecture by Mr. K. deB. Codrington, of the Victoria and Albert Museum, London, England, on "Indian Sculpture"; a lecture by Dr. Hans Simons, of the School of Social Research, New York, on "The Lesson of 1938"; two lectures by Professor E. Ermatinger, of Zurich, Switzerland, Exchange professor at Columbia University, on "Philosophy and Psychology in the German Lyric" and "German and German- Swiss Literature; a lecture by Sir John Boyd Orr, Director of the Rowett Institute, Aberdeen, Scotland, on "Food and Health"; a lecture by Mr. Philip Grove, on "Problems of Canadian Literature"; two lectures by Dr. G. S. Hume of the Geological Survey, Ottawa, on "Stratigraphy and Structural Features of the Turner Valley Oil Field", and "Oil Production in the Turner Valley Field"; three lectures by Professor C. D. Ellis, King's College, University of London, England, on "Nuclear Structure", "The Scattering of Particles" and "Electron Focussing"; a lecture by Professor Henri Gregoire, Dean, Faculty of Arts, University of Brussels, Belgium, on "Constantine and the Triumph of Christianity"; two lectures by Professor H. P. Robertson, Princeton University, on "The Expanding Universe: its Observational and Theoretical Status", and "The Singularity of the Schwarzschild Field in General Relativity"; a lecture by Dr. G. H. Whipple, Dean of the School of Medicine and Dentistry, University of Rochester, Rochester, N.Y., on "Anaemia and the Building of Haemoglobin in the Blood"; a lecture by Miss Elizabeth Wiskemann of the Royal Institute of International Affairs, on "Czechs and Germans"; a lecture by Malik Sir Firozkhan Noon, High Commissioner for India in the United Kingdom, on "India"; a lecture by Mr. W. G. Constable, former director of the Courtauld Institute, London, and Slade Professor of Fine Art, University of Cambridge, on "Appreciation of Pictures"; a lecture by Dr. William Lyon Phelps, professor emeritus of Yale University, on "Truth and Poetry"; Professor J. D. Ferguson of Western Reserve University, Cleveland, Ohio, a lecture on "Burns"; a lecture by Sir Edward Mellanby on "Diet"; a lecture by Professor F. Oehlkers of the University of Freiburg to the students in botany; a lecture by Professor P. Jessup of Columbia University on "International Law"; a lecture by Professor Roscoe Pound, formerly of Harvard University on "Administrative Absolutism".

A series of lectures in "Marketing" was arranged by the Department of Political Economy and the Department of University Extension in co-operation with the Advertising and Sales Club of Toronto; Professor K. W. Taylor, McMaster University, on "The Commercial Policy of Canada"; Mr. Herbert Marshall, Dominion Bureau of Statistics, on "The Statistical Basis of Marketing Policy"; Professor H. Laureys, former director of Higher School of Commercial Studies, Montreal, on "Marketing Canadian Goods Abroad"; Professor Walter Thompson, University of Western Ontario, on "Retailing from the Consumer's Point of View"; Mr. D. R. G. Cowan, Commercial Research Department, Swift and Company, Chicago, on "Improving Marketing and Merchandising Methods through Research"; Mr. Henry King, Director of Research, Messrs. Cockfield Brown and Co., Montreal, on "New Problems in Advertising and Steps towards their solution"; Professor C. A. Curtin, Queen's University, on "Some Aspects of Resale Price Maintenance"; Mr. John Martin, Advertising Manager of Massey-Harris Company, on "The Farm Market"; Professor J. E. Lattimer, Macdonald College, on "Recent Developments in Co-Operative Marketing"; Professor H. R. Kemp, University of Toronto, on "Some General Aspects of the Pricing Problem."

In celebration of the centenary of Lord Durham's report recommending responsible government for Canada, the Department of History arranged a lecture series: A lecture by Professor Chester New of McMaster University on "Lord Durham and the British Background", Professor G. W. Brown of the University of Toronto on "Upper Canadian Scene"; Dr. D. C. Harvey, archivist of Nova Scotia, on "Nova Scotia and the Durham Mission", and Professor Chester Martin, head of the Department of History, University of Toronto, on "The Report and its consequences".

The Department of Mathematics arranged the following course open to the teachers of mathematics in the secondary schools:

Five lectures by Professor R. Brauer, on "The infinite in mathematics", "Paradoxes of the Theory of Sets", "Real Numbers", "Constructions with ruler and compasses" (Geometrical part), "Constructions with Ruler and Compasses" (Algebraic part); Five lectures by Professor Robinson, on "Projective Geometry", "Relation between Projective and Euclidean Geometry", "Co-ordinate Systems", "Constructions—first and second degree"; three lectures by Professor Coxeter, on "The Regular Polyhedra", "Polyhedra and the Theory of Groups", "Star Polyhedra"; three lectures by Professor D. B. DeLury, on "Probability", "Probability and Statistics" (two lectures); three lectures by Professor A. T. DeLury, on "The Parallel Postulate—Saccheri, Lambert and Legendre", "Non-Euclidean Geometry—the introduction of Length", and "Euclidean Geometry and a limiting case".

In connection with the Department of Physics a course of four lectures was given by Dr. Gordon N. Patterson, of the Royal Aircraft Establishment, Farnborough, England, on "Problems of High-speed Flight".

The following lectures were given in Convocation Hall under the auspices of the Royal Canadian Institute:

By Mr. Arthur R. Clute, K.C., President of the Royal Canadian Institute, "The Presidential Address"; Dr. Peter M. Millman, David Dunlap Observatory, on "We visit the Moon"; Dr. Clark Wissler, Curator-in-chief, American Museum of Natural History, New York, on "Anthropology and Human Behaviour"; Dr. Arthur L. Day, Physical geologist, Carnegie Institution, Washington, D.C., on "Hot Springs and Volcanic Activity in New Zealand"; Mr. Earl A. Trager, Chief, Naturalist Division, National Park Service, Washington, D.C., on "Wilderness Wonderlands"; Dr. R. E. Wodehouse, Deputy Minister of Pensions and National Health, Ottawa, on "Safeguarding Canada's Health"; Dr. M. F. Crawford, Department of Physics, University of Toronto, on "Light and the Structure of the Atom"; Dr. E. W. McHenry, Physiological Hygiene, University of Toronto, on "Nutrition in Toronto"; Professor Thomas R. Wilkins, University of Rochester, N.Y., on "Some Studies in Radioactivity"; Dr. A. J. B. Wace, Professor of Classical Archaeology, Cambridge University, England, on "Sparta in the Light of the British Excavations"; Professor C. D. Ellis, King's College, University of London, on "The Atom and the Nucleus"; Professor A. F. Coventry, University of Toronto, on "The King Township Survey"; Professor G. P. McRostie, Ontario Agricultural College, on "The Manufacture of Plants"; Professor M. S. Viteles, University of Pennsylvania, on "Pstchology and the day's work"; Professor C. Leonard Huskins, McGill University, on "Biology and Civilisation"; Mr. George W. Wheelwright, Land-Wheelwright Laboratories, Boston, on "Polaroid"; Dr. H. G. Little, Assistant General Manager, Chemical Group, Canadian Industries Limited, Montreal, on "Research and Industry"; Dr. H. F. J. Lambert, Geological Survey, Ottawa, on "Recent Explorations in the Nahanni Mountains in the Northwest Territories of Canada"; Lieut.-Colonel Haig Shekerjijan, Chemical Warfare Service, Washington, D.C., on "Defence against Chemical Warfare"; Dr. Peter H. Buck, Anthropologist, Bernice P. Bishop Museum, Honolulu, Hawaii, on "Vikings of the Sunrise."

SPECIAL CONVOCATIONS

Three special convocations were held:

September 2nd, when an honorary degree of Doctor of Laws was conferred upon the Right Honourable Viscount Greenwood, P.C.

October 14, when the honorary degree of Doctor of Laws was conferred upon Her Excellency The Lady Tweedsmuir, The Right Honourable Ernest Lapointe, Minister of Justice and Attorney-General of Canada, W. Sherwood Fox, Ph.D., LL.D., President of the University of Western Ontario, Sir Fiorzkhan Noon, High Commissioner for India in London, England, J. J. Gibson, B.A., a Governor of the University, J. C. Robertson, M.A., professor emeritus of Greek Language and Literature, Victoria College, Miss Jean Gunn, O.B.E., Superintendent of Nurses, Toronto General Hospital. The honorary degree of Doctor of Science was conferred upon W. R. Graham, B.S.A., professor of poultry in the Ontario Agricultural College, T. L. Walker, M.A., Ph.D., F.R.S.C., professor emeritus of Mineralogy and Petrography, University of Toronto. The honorary degree of Doctor of Engineering was conferred upon J. B. Challies, C.E., President of the Engineering Institute of Canada. The honorary degree of Doctor of Music upon Henri Jordan, Conductor of the Schubert Choir of Brantford.

April 20, when the honorary degree of Doctor of Laws was conferred upon the Right Honourable The Earl Baldwin of Bewdley.

LEARNED SOCIETIES

The following Learned Societies met at the University:

The Gynaecological Association of North America; The Association of Experimental Biology.

GIFTS

Four glass decanters, in a silver case, for the Croft Chapter House, University College, were given by Mrs. A. Croft Jarvis. They were presented to her father, Major Croft, by the Queen's Own Rifles in 1867.

BENEFACTIONS

During the year the University has received the following benefactions, totalling $145,197.95:

From the Rockefeller Foundation: Child Research and Parent Education, $10,083.24, Psychiatry Research, $10,400, School of Nursing, $10,000; Eaton Endowment, $25,000; University College Men's Residence Fund: Rt. Hon. Sir William Mulock, $6,666.68, T. Eaton Company Limited, $5,000; Carnegie Corporation: Fine Art Professorship, $5,028.12, Institute of Child Study, $5,021.87; J. S. McLean Fellowship: Canada Packers, $5,000, J. S. McLean, Esq., $1,250; Reuben Wells Leonard Bequest, $6,240.85, Reuben Wells Leonard Fellowship and Scholarships, $5,850; Organic Chemistry, Anonymous, $5,000; Ontario Mining Association, Silicocis, $5,000; Webster-Seccombe Memorial Fund: Wallace Seccombe Memorial Scholarship, $2,008.78, Albert E. Webster Memorial Scholarship, $2,077.78; Josiah Macy Jr. Foundation, for neurogenic research, $3,621.94; Steerloa Exploration Company Limited, $2,565.76, Noranda Mines, $1,000, for Sir John McLennan Fund; Minnie Carson bequest, $2,545.80; Eli Lilly Fellowship, $2,005.00; Mount Sinai Masonic Lodge Silver Jubilee Loan Fund, $2,000; Reg. N. Boxer Scholarships: Donald E. Boxer, $1,000, Richard J. Boxer, $1,000; Scottish Rite Donation, Dementia Praecox research, $1,883.98; Maude Charlton Gibson Scholarship, $1,511.49; Flavelle-Peacock Retiring Allowance: Sir Joseph Flavelle, $750, Sir Edward Peacock, $750; Graduate Fellowships: Imperial Oil Company Ltd., $500, Lady Kemp, $500, Sir Joseph Flavelle, $250; Arthur Cohen Scholarship, $1,120.00; Sir Robert Falconer Lectureship, $1,104.70; Charles E. Schofield Donation, cancer research, $1,000; D. A. Dunlap Memorial Scholarships, $1,000; American Society of Heating and Ventilating Engineers, $500.94; Jas. W. Crocker Memorial Loan Fund, $500; Sadowski Scholarships, $500; Jenkins Scholarship, Engineering, $500; Sir Edmund Walker Scholarship, $450; Robert Simpson Company Scholarships, $450; Gertrud Davis Exchange Fellowship, $400; Emerson Wickett Memorial Scholarship, $375; Robert Bruce Scholarship, $372.04; B'nai B'rith Scholarships, $350; Oral Health Magazine: Wallace Seccombe General Proficiency Prize, $150, Oral Health Thesis Prize, $100, Oral Health Thesis Prize $50; School of Nursing Undergraduate Bursary Fund, $300; University College Alumni Matriculation Scholarships, $300; Ohio Chemical Company Fund, Professor V. E. Henderson, $300; Jule and Jay J. Allen Award, $250; S. R. Parsons Scholarship, Commerce and Finance, $250; J. B. Willmott Scholarship, Dentistry, $250; Geo. R. Smith Fund, Ontario College of Education, $250; Percy Hermant Scholarship, $250; Anonymous for Mary Keenan Award, $200; Pan-Hellenic Association of the University of Toronto Prizes, $150; J. A. Findlay Scholarship, $150; Boiler Inspection and Insurance Company Scholarship, $150; Sir John C. Eaton Memorial Scholarship, $120; U.T.S. Old Boys' Association Scholarships, $100; Maurice Hutton Matriculation Scholarship, $100; University College Alumnae Scholarship, $100; Herbert Wilson Scholarship, $100; Delta Phi Epsilon Bursary, $100; Association of Professional Engineers of Province of Ontario Scholarship, $100; University Tours Association Scholarship, $100; Darling and Pearson Prize, Architecture, $100; Ontario Association of Architects Scholarships, $100; George Kennedy Scholarship, $83.10; Sarah Kennedy Scholarship, $83.10; W. G. Switzer Memorial Award, $82.50; St. Margaret's College Alumnae Scholarship, $75; Hollywood Theatre Prizes in French, $50; Deborah Assembly No. 5 Bursary (Order of Rainbow for Girls), $50; Dr. R. A. Reeve Prize, $50; Class of 1930 Mathematics and Physics Bursary, $50; Public Speaking Association Bursary, $50; F. W. Jarvis Bursaries, $50; Hon. Charles McCrea for Dent McCrea Scholarship, $50; Ramsay Wright Scholarship, $48.58; Justice Riddell for Riddell Scholarship, Law, $30; Lambda Chi Alpha Association of Toronto for R. S. Saddington medal, $30; Hon. Dr. J. A. Faulkner for Faulkner Medal, $26.81; Labour Research Institute Prize, Law, $25; Engineering Institute of Canada, Prize, $25; American Society of Heating and Ventilating Engineers, Ontario Chapter Prize, $25; Ontario Medical Association Prize, $25; Toronto Brick Company Prizes in Architecture, $25; University College Alumni Prize, $25; Pi Lambda Phi Fraternity Prize, $25; British

A.A.S. Fund, $20.39; Maurice Cody Memorial Scholarship, University Schools, $11.50; University College Alumnae Prize in English, $10; Fletcher-Johnston Memorial Prize, $10.

NEEDS

Even under the threatening shadow of war, it is well to state once more some of the university's needs:—

A sufficient income to maintain the university in efficient service.

An addition of two storeys to the Banting Institute for the extension of medical research.

An enlargement of the Chemical Building in the Faculty of Arts.

Additional accommodation for Chemical and Mechanical Engineering.

More scholarships in the Faculties and more fellowships in the School of Graduate Studies.

More books and more space for the central Library.

Two needs mentioned in my last year's report—a new residence for University College, and an athletic building for the women of the University—are, as I have already mentioned, in process of being supplied.

CONCLUSION

1. Since the beginning of the century there has been on this continent a steady increase in the number of students who have entered universities and colleges. There has been a notable popularisation of higher education. Even the interruption caused by the Great War was of short duration; the movement surged forward again. In the United States, within the years from 1900 to 1930 attendance at institutions of higher learning increased sevenfold. A somewhat parallel increase has taken place in Canada. There has been faith in the value of more and higher education; college graduates have entered the fields of finance and industry; the professions have increasingly required more college training as a condition of entrance; the material development of the country called for more engineers; the entrance of women into wider areas necessitated a preparation through the university; some of the new immigrant stocks had profound respect for education and determined to secure it for their children; the college "as a way of life became increasingly popular—not to go to college was to undergo a social deprivation as well as to suffer a professional handicap".

Our universities have tended to attract or to create professional schools in connection with their organisation. Their place in a university is justified if their curricula are worth while, if there is real scholarship in the teaching, if there is a social necessity for them, and, above all, if the general principles underlying them are adequately emphasised.

It would seem that in Canada there are signs that for the time being we have reached a peak of attendance. In our own university our registration has been fairly steady for some years past. One of our chief duties is to select those who are best able to profit by our opportunities and make it possible for them to attend. A still wider establishment of scholarships and loan funds will aid in giving equal educational opportunities to all.

2. One of the most notable developments in recent years is the growth of various forms of university extension and adult education. In this development our university has taken a significant part. Education is now regarded not as an achievement completed when we leave school or college; but as a process continuing as long as life. Chancellor Chase of New York University well puts this aspect of the situation: "Unlearning and relearning must go on constantly. College and university are but preludes to education."

3. Higher education has striven to do two things: to train leaders, and to seek to diffuse a high level of intelligence and appreciation of the best. In realising both these ideals, the universities are making their contribution to the

preservation of a sane democracy. Can we afford, then, to let our universities die? Chancellor Chase again speaks with confidence of the future: "The future of our higher education is too firmly rooted, is too fundamental a part of our way of life not to survive any catastrophe short of the crippling of that civilisation".

4. But is higher education safe? Many thoughtful academic leaders on this continent are anxious about its future. The fall of interest on funds for endowment, and the curtailment of legislative assistance, have forced fees up to a point which may close the universities to those of moderate means. At various conferences of university heads in North America I have heard an almost uniform report. Diminished income is threatening the quality of university work, is limiting research and retarding necessary library growth; and is affecting the morale of staffs by suspending normal promotions and salary increases. University teachers have courageously faced salary reductions in past emergencies; but if reductions due to emergencies become chronic, there is real danger that the efficiency of the institution will suffer. This University is grateful for its legislative grants, and realises that it must share in general reductions of expenditure; but it hopes that the point will not be reached when its educational service to the Province will be impaired. Grants to education in all its grades are not a public charity, but a safe investment, which will yield a rich increase to the real wealth of the land.

5. A recent article in a university magazine bears the title, "Higher Education on the Stand", and points out that to-day "universities are asked to stand and deliver". Well, universities have something to say for themselves. Their aim to-day is not to develop a self-centred culture, but to inspire men and women to use knowledge, discipline and culture in the service of the community. They seek to relate themselves to the needs and aspirations of the State; their task is greater as the complexities and problems of democracy increase. They are meant to be "clearing-houses of intelligent thought, free from political prapaganda". Our citizens in a democracy ought to understand our history, our modern civilisation, our basic principles of freedom, the values of our present political and social organisation; to provide this understanding is one of the prime aims of a university. The universities train teachers for the secondary schools and the larger elementary schools; and these teachers to a great degree determine the intellectual interest, the public spirit, the literary taste and the moral tone of each generation as it passes from adolescence to manhood. The universities provide the broad professional service for the community, in the Church, in medicine, in law, in dentistry, in engineering, in forestry, in pharmacy, in dietetics, in public health nursing. In detail, they provide the highest training in the application of science to all developments of life. Trained scientists are needed if we would discover the full extent of our natural resources, to develop and conserve them, and to develop and improve our methods of industry, commerce and agriculture. Universities can focus whatever information the science can provide for any form of service to the State; from their trained staff will naturally come investigators in the fields of science, economics or history, whose expert knowledge will be of value to administrators and legislators. From research work in medicine the universities have already given to the world results of incalculable practical benefit to humanity. But probably the best contribution which universities can give to the community are men and women, possessed of that store of knowledge, power of discrimination and balance of judgment, which a college course aims to give and very largely succeeds in giving. No country can have a surplus of intelligent citizens. The present Archbishop of York, Dr. William Temple, aptly summed up the fruits of a university training as "a disciplined mind, a wide sympathy, and a quickened imagination". The watchword of higher education are culture and service. The functions of a living university may be recapitulated as the cultivation of the spirit of learning and of research; the training of citizens

in a liberal education and a tolerant mind; the provision of broad professional courses; and the transmission of the sacred fire of knowledge.

Our own Governor-General, Lord Tweedsmuir, at his installation as Chancellor of the University of Edinburgh, said: "A university has two plain duties. It has to transmit knowledge and to advance knowledge. It must be regarded as not only a seminary for the training of youth, but as a museum for record, a laboratory for discovery, a power-house for inspiration."

Among the institutions of Western civilisation, the university is the oldest, with the exception of Roman law and the Christian Church. It has survived dynasties and kingdoms and revolutions. As a living organism, it has adapted itself to the needs of changing ages. To-day it still holds the allegiance and confidence of youth, as it seeks to educate for life in a changing world, as it adjusts the oncoming generations to take an intelligent part in making inevitable changes wholesome and progressive and in relating the new to the old in a continuing stability. To weaken or to starve the university means in the long run to weaken and to starve our civilisation.

6. Heavy indeed is the burden of administration in a university as large and as varied as this; it is made heavier by the inevitable anxieties about finances, which an inadequate income creates. But my task has been lightened by the help constantly given by the academic and administrative staff, by the loyal and self-governed undergraduate body, by the many benefactors of the university, by the Chairman and members of the Board of Governors whose wisdom and experience have so ably served this institution, and by the Government of the Province which has largely provided for our annual maintenance. To all these our thanks are due and are unreservedly given.

All of which is respectfully submitted.

H. J. CODY
President

December 14, 1939

APPENDIX A

(1) Report of the Dean of the Faculty of Arts
(2) Report of the Principal of University College
(3) Report of the Dean of the Faculty of Medicine
(4) Report of the Dean of the Faculty of Applied Science and Engineering.
(5) Report of the Dean of the Ontario College of Education
(6) Report of the Secretary of the Faculty of Household Science
(7) Report of the Dean of the Faculty of Forestry
(8) Report of the Dean of the Faculty of Music
(9) Report of the Dean of the School of Graduate Studies
(10) Report of the Dean of the Faculty of Dentistry
(11) Report of the Director of the School of Hygiene
(12) Report of the Librarian
(13) Report on Research
(14) Publications
(15) Report of the Director of University Extension and Publicity
(16) Report of the Director of the Department of Social Science
(17) Report of the Director of the School of Nursing
(18) Report of the Director of the Department of Military Studies
(19) Report on Health Services
(20) Report on Athletics and Physical Training
(21) Report of the Warden of Hart House
(22) Report of the Director of the Connaught Laboratories
(23) Statement regarding the Museum of Archaeology
(24) Statement regarding the Museum of Biology
(25) Statement regarding the Museum of Geology
(26) Statement regarding the Museum of Mineralogy
(27) Statement regarding the Museum of Palaeontology
(28) Statement regarding the educational work of the Royal Ontario Museum
(29) Report of the Director of the David Dunlap Observatory
(30) Report of the O.C. The Canadian Officers' Training Corps
(31) Report of the Secretary-Treasurer of the Students' Administrative Council

(1) REPORT OF THE DEAN OF THE FACULTY OF ARTS

(*Professor Samuel Beatty, M.A., Ph.D.*)

Figures confirm the impression growing in recent years that increasing numbers of our honour graduates in Arts are seeking careers as secondary school teachers. It is gratifying to discover that their record at the qualifying examinations for specialists' standing is well above the average of all who write. At the same time, many graduates in the sciences find technical or research positions in industry, while the majority of the commerce graduates receive executive or administrative posts in business.

The pass course for teachers continues to minister to those who are forced by circumstances to delay their university work and to pursue it under somewhat unusual conditions. From the outset the standard reached by them has compared favourably with that set by the regular students in the pass course, and their numbers are such that more than half of those who complete the requirements in August for the B.A. degree are enrolled in the pass course for teachers.

The arrangement whereby students failing in the first year of Medicine may be considered for transfer to the second year of the pass course in Arts is working out satisfactorily.

It is being taken for granted increasingly by the staff and by those responsible for individual appointments and promotions that scholarship and research activities are matters of primary importance. Associated with this, it is the duty of each member of the staff to consider and decide for himself how best to encourage and stimulate his students to do effective work.

The level of attainment of the best students entering the first year has never been higher. This is due in part to the increased competition for matriculation scholarships and to the fact that the recommendation system shows to particular advantage in the case of really good students.

(2) REPORT OF THE PRINCIPAL OF UNIVERSITY COLLEGE

(*Professor M. W. Wallace, M.A., Ph.D.*)

I have the honour to submit my annual report as Principal of University College:

There have been no changes in the personnel of the staff of the College during the session. Professor C. N. Cochrane has spent the year in England supervising the publication of a volume by the Oxford Press; during the summer he will give a course of lectures in the University of Oxford before returning to resume his regular duties in September. Professor Winnett spent last summer and the Michaelmas Term in the Near East where he was able to carry on research work in spite of the disturbed conditions in Palestine. Professor Endicott of the department of English has leave of absence for the present Easter Term and will continue his studies in England until September.

About ninety students have been given bursary assistance during the present year. Small as the grants are to each student, they are in many cases sufficient to determine the holder to continue his college course, and many of our ablest students would have found it impossible to take an academic course without this assistance. As usual many members of the graduating class have received appointments to fellowships in American universities, and of these the great majority had been assisted during their undergraduate course either by being granted bursaries or by being holders of scholarships. The increase in intuition fees for next session will bear heavily on many of our students. Of recent years it has been increasingly difficult for the children of farmers and mechanics to aspire to a college education, and a large proportion of our bursary and scholarship holders come from homes accumstomed to straitened financial circumstances.

The number of students enrolled in the college during the present academic year (1128) is slightly larger than that of last year, and I think we may assume that for the immediate future our enrolment will be stabilised at about this figure. Our residence accommodation for both men and women is fully taken up, and we are looking forward eagerly to being able to house a larger proportion of our male students in our own building. A college residence, properly administered, can become a powerful educational instrument. At the recent examinations, for instance, every student in our men's residence was successful, and the proportion of high honours secured by them was most gratifying. Accordingly, it is a most important project for the welfare of the college which has been launched during recent months by the College Alumni Association,—the providing of a Men's Residence which will house at least one hundred students. The Honourable G. Howard Ferguson ('91) accepted the chairmanship of the committee charged with the securing of the necessary money, and he has had the enthusiastic co-operation of the Provincial Government, the Board of Governors of the University, and the Alumni body. More than two-thirds of the necessary sum ($350,000) has already been pledged, and it is hoped that before the end of the calendar year the total amount will be raised. It is hardly possible to overestimate the significance in the life of the college of this project. The new residence should become a centre for all the interests of the men students, and should do for them something comparable to what Whitney Hall has already accomplished for the women undergraduates.

An Athletic Dinner, which it is hoped will become an annual event, was held in the Junior Common Room on March 23. On this occasion the President of the University presented to the college a beautiful challenge trophy to be awarded to the outstanding athlete of the graduating year. The Robert Simpson Company, Ltd., also presented on the same occasion a challenge cup for swimming, and the T. Eaton Company Ltd. a special prize for athletics.

Benefactions of graduates and friends of the college since my last annual report are as follows:

(*a*) A bursary of $70.00 from the Psi Psi Chapter of the Alpha Chi Omega Fraternity.
(*b*) A bursary of $50.00 from the Public Speaking Association.
(*c*) A Prize of $50.00 in the department of French from the Hollywood Theatre.
(*d*) A Prize of $25.00 in the graduating year from the University College Alumni Association.
(*e*) A Prize of $25.00 in the department of French from the University College French Club.
(*f*) A silver basket containing four glass decanters formerly belonging to Professor Croft and bequeathed to the college by his daughter.
(*g*) Gifts of books:
  (1) Some forty volumes formerly belonging to Professor Croft and presented to the College by Professor W. Lash Miller.
  (2) The reprint of Audubon's *Birds of America* from the staff in mathematics.
  (3) The second volume of Harrap's Standard French and English Dictionary from Professor J. Home Cameron. Professor Cameron presented the first volume to the college in March, 1934.
(h) A painting by Mr. John Alfsen, presented by W. M. Wismer, a graduate of 1938.

The Alexander Lectures were delivered on January 17-20 by Professor Douglas Bush, professor of English in Harvard University, who is a graduate of the University of Toronto (Victoria College). The subject of his lectures was *The Renaissance and English Humanism*. The attendance taxed the capacity of Hart House Theatre on each afternoon. On January 26 Mr. F. P. Grove lectured before a large audience of staff and undergraduates on *The Creative Mind*. The following course of open lectures was given during the Michaelmas Term by members of the staff:

Aldous Huxley	Principal M. W. Wallace
Liam O'Flaherty	Professor L. A. MacKay
T. E. Lawrence	Mr. W. S. McCullough
Hugh MacDiarmid	Professor R. S. Knox
John Collier	Professor N. J. Endicott
George Santayana	Dean G. S. Brett
James Joyce	Dr. A. E. Birney
Robinson Jeffers	Professor E. K. Brown
T. S. Eliot	Professor H. R. MacCallum

(3) REPORT OF THE DEAN OF THE FACULTY OF MEDICINE

(*W. E. Gallie, M.D., F.R.C.S.*)

The annual report of the Dean of the Faculty of Medicine had its beginning in a brief review of the activities of the Faculty which was used by the President in writing his annual report. It has gradually changed, however, until now it takes the form of a letter to all the graduates, which seems to be very generally read and which, judging from the many approving comments we have received, is welcomed by them as a contact with their Alma Mater.

The most important changes that have occurred in the Faculty during this year are related to the curriculum and examinations for first year students. It has been pointed out in previous reports that the number of students in this school has gradually increased until they have seriously taxed the clinical facilities of our hospitals and made it difficult for us to maintain a standard such as that of those schools in which the numbers of students have been limited. To this difficulty is added the fact that many students have been able to enter medicine who have no aptitude whatever for a long and difficult course of study. The result has been that they have had failures year after year and have not only had a miserable time themselves but have retarded the general advancement of the class as a whole.

The obvious remedy would be to establish some form of test during the premedical year which would enable the faculty to detect at an early stage those students who are unsuited to the course and to eliminate them before it is too late for them to make a start in some more suitable form of life work. This plan has been adopted and has proved successful in quite a large group of students who had obviously made a mistake in their choice of a profession.

Unfortunately, among the fallen have appeared the names of the sons of some of our graduates and, indeed, of the sons of members of the faculty, and as a failure in the first year means that these students may not continue, it would appear that the time is ripe for a plain statement of the character of the course in medicine in this university.

Entrance is by way of senior matriculation, in which English; mathematics: one of—German, French; one of—physics and chemistry; zoology and botany, a second foreign language with physics, a second foreign language with chemistry, are compulsory. All applications from citizens of the Province of Ontario are accepted and a limited number also from the sister provinces, particularly where there are no medical schools. Occasionally, applications from the sons of our graduates who have moved away from Canada are favorably received.

During the autumn of the first year the student tries the "Scholastic Aptitude Test" for Medical Schools, of the Association of American Medical Colleges, a written paper consisting of a mixture of 350 to 400 questions designed to discover whether he has the type of mind that is suitable for a medical career. The results are filed with his matriculation record and with the marks he makes in the various term tests throughout the year. The final examination in May is composed of papers in biology, physics and chemistry, in which fifty percent must be obtained in each subject and sixty percent on the average, and papers in French or German and in the history of science and civilisation in which fifty percent is the passing standard. A failure in the science group eliminates the candidate from the course but a supplemental examination may be taken in the fall if he is down in one of the languages or in the history of civilisation. No one may repeat the first year and the only way a student could get back into the medical course would be by transferring to the Arts Faculty and obtaining a degree in a course which included the equivalent of our first year.

A rather important change is being made this year in the curriculum of the first year as it has been represented that too much emphasis has been placed on the foreign language. Hereafter, therefore, the student may select, if he chooses, in place of the foreign language, a course in English or a course in modern history. In place also of history of science and civilisation, he may select a course in philosophy or one in anthropology. Fifty percent. must be obtained at the examination to secure a pass standing and one supplemental can be taken in the fall. These courses will be conducted by the Faculty of Arts.

While these changes in no way lessen the difficulties of the first year, except for those students who have a natural ineptitude for foreign languages, they do broaden the field considerably and enable the student to select, in addition to his premedical sciences, a course of study in cultural subjects which will be of great value to him in later years.

The second and third years are devoted to anatomy, physiology, biochemistry, embryology, histology, psychology and general pathology. They are very busy years during which the student is employed all day long in laboratory or lecture hall and he must devote a great deal of time to reading. He has very little opportunity for indulging outside interests.

The fourth, fifth and sixth years are the clinical years and a large part of the time is spent in the study of medicine, surgery, obstetrics and the specialties in the hospitals (Toronto General, St. Michael's, Toronto Western and the Hospital for Sick Children). In addition, extensive courses are given in hygiene and preventive medicine, pathology, pathological chemistry, pharmacology, therapeutics, bacteriology, radiology and radiotherapy and physiotherapy. The sixth year is almost equivalent to an intern year as the student spends ten weeks in hospital in medicine, ten weeks in surgery and ten weeks in obstetrics and the specialties. From a practical standpoint it is the most valuable year in the course.

Scattered through the three clinical years are short courses on medical jurisprudence and toxicology, history of medicine, dentistry, medical ethics and economics, life insurance and applied physiology.

In the second and third years, the student who has passed in all but one subject, is eligible to proceed to the next year, provided he passes the supplemental examinations in the fall; whereas in the fourth, fifth and sixth years, he may write supplemental examinations in two subjects. A failure to pass in more than one subject in the second or third year, or in more than two subjects in the last three years, or a failure to pass the supplemental examinations, causes him to lose his year and puts him in the position of either dropping out of the course, or applying for permission to repeat the entire work of the year. A failure at the end of a year in which he is repeating the course eliminates him from the course.

From this it will be seen that the course for the degree of Doctor of Medicine can no longer be faced without careful consideration. The student who enters should be physically fit and should be a good student, that is, one who has obtained high grades at matriculation, who is capable of facing difficult courses of study with reasonable prospects of success and who is willing to work hard. Students who enter medicine with credits in matriculation, with a low standing in their scholastic aptitude test and with a grade of fifty percent. or lower in their first year examinations have been shown almost invariably to have failures throughout their course, so that the faculty has no doubt whatever that the best plan for the school, and in the end, the kindest plan for the student is to eliminate him from the course at once and let him start over again in something else before it is too late.

To our graduates, therefore, I would suggest that they consider carefully their boy's natural aptitude for this type of study before allowing him to register and when this is finally decided upon I would recommend that from among the matriculation options he select biology, physics and chemistry and that he secure his matriculation by the road of the departmental examinations rather than by recommendation. The experience gained in these examinations will be useful to him at the end of his first year in the university.

I cannot refrain from commenting sadly on the necessity for the general raising of the annual fees, owing to the reduction of the annual government grant to the university. Since thirty years ago the increases in fees and the length of the course has made the cost of a medical education three times what it formerly was. Had the cost been anything like as much in the early part of this century very few of the present professors could have entered medicine. The result is that a smaller and smaller proportion of the bright boys from farm and village are coming up to the university, much to the disadvantage of the professions.

During this year the Faculty of Medicine was requested by the Board of Governors to suggest a plan of reorganisation of the University Health Service. A committee of the faculty studied this question carefully and came to the conclusion that the present service was inadequate and could be much improved in certain directions. These were first, in the complete physical examination of all students with a view to the detection of physical defects and incipient disease; second, in providing primary medical attention particularly for students in residence or boarding houses who are taken ill or are injured; and third, the inauguration of a general course of lectures on problems of hygiene and health. The plan was approved in general by the Board of Governors, but owing to the expense involved, action was deferred. In the case of the medical students, however, an enlargement of the service was introduced in the form of a tuberculin test and an x-ray of the chest in those who were found positive, followed by a careful examination in those in whom suspicious signs were discovered. It has been felt that by these measures the incidence of serious pulmonary tuberculosis might be reduced.

Reference to the departmental reports will indicate the vast amount of research at present going on in the various laboratories. It is always difficult to predict the importance of many of these studies but those that are brought to a conclusion always add something to the sum total of our knowledge and often form the basis of real progress in medicine. Some of them, among which are those on silicosis and on heparin have already been shown to be of great practical value. For their work on silicosis, Dr. D. A. Irwin of the department of medical research and Dr. W. D. Robson of the McIntyre Porcupine Mines were awarded the McCharles Prize and for his work on the use of heparin, Dr. Gordon Murray was appointed Hunterian professor in the Royal College of Surgeons in England.

The Charles Mickle Fellowship for this year was awarded to Charles Herbert Best, M.A., M.D., D.Sc., London, F.R.S., F.R.S.C., F.R.C.P., professor of physiology, University of Toronto, acting head of the department of physiological hygiene, research associate in the Banting and Best department of medical research and associate director of the Connaught Laboratories, for his contributions in certain branches of physiology, in particular those related to diabetes and carbohydrate metabolism, to histamine and histaminose, to choline and fat metabolism and to heparin and thrombosis. This fellowship is awarded each year to that individual, wherever he may be, who in the opinion of this faculty has contributed most during the preceding ten years to advance sound knowledge of a practical kind in medical art or science. The award of the Charles Mickle Fellowship to Dr. Best will be approved by all for not only is he one of the most distinguished among physiologists but his contributions have been of such intensely practical importance that they are understood and gratefully acknowledged by the whole world.

Dr. Best is also in receipt of the Baly Gold Medal awarded by the Royal College of Physicians, for his physiological researches.

Honours have come to Professor Duncan Graham in the form of election as President-elect of the Canadian Medical Association, to Professor J. H. Elliott, who has been appointed representative for Canada in place of Dr. Vallee, on the Council of the International Association of the History of Medicine, and Vice-president of the Section of the History of Medicine of the American Medical Association, to Dr. Trevor Owen who has been elected to Fellowship in the Royal College of Physicians of London, and to Dr. D. E. Robertson who was made President-elect of the American Orthopaedic Association, President of the Academy of Medicine and Vice-president of the American Orthopaedic Association.

The Balfour Lecture was delivered on Lister Day, April 5th, by Mont R. Reid, A.B., M.D., professor of surgery, College of Medicine, University of Cincinnati. The subject was "Personal Experiences with Vascular Problems" and was a beautiful realisation of the purposes that the founder had in mind that our students should from time to time be given the opportunity to meet distinguished surgeons from other lands and to hear them discuss the subjects that have made them famous.

The Charles Mickle Lecture was delivered on October 4th by Sir Edward Mellanby, K.C.B., M.D., F.R.S., on "Recent Researches in Nutrition". It will be recalled that the Charles Mickle Fellowship was awarded in 1935 to Sir Edward and Lady Mellanby. Unfortunately, Lady Mellanby was ill and could not be present but Sir Edward has suggested that on some future occasion she may be able to lecture here.

Post graduate courses were conducted in the latter part of September by the department of medicine on metabolic and endocrine disorders and by a combination of the departments of gynaecology, radiology and surgery on cancer. These courses were well attended and evidently appreciated. The idea of spending a whole week in the intensive study of some one important subject has become well established and the courses will be continued.

In addition to these special postgraduate courses, ninety-two addresses were given by fifty-four speakers from the Faculty of Medicine, under the auspices of the Ontario Medical Association.

The new members who have joined the faculty this year are Dr. J. K. W. Ferguson and Dr. Leslie Young. Dr. Ferguson is a graduate in arts and medicine from this university and comes now from the department of physiology in the University of Iowa to be assistant professor of pharmacology with Professor V. E. Henderson. Dr. Young comes from the department of biochemistry at University College, London, to be associate professor here.

Professor G. F. Marrian, who has been in the department of biochemistry here since 1933, has resigned to accept an appointment as professor of chemistry in relation to medicine in the University of Edinburgh. Professor Marrian is a most distinguished young chemist who has already made a name for himself in his researches on the sex hormones (referred to in previous reports) and the honor of appointment to the important chair in Edinburgh is richly deserved.

The promotions and new appointments for the year are as follows:—

Art Service: Miss E. Hopper to replace Miss Foster who has resigned.

Banting and Best Department of Medical Research: Dr. G. E. Hall to be promoted from associate professor to professor.

Biochemistry: Dr. A. M. Wynne, professor, from associate professor.

Physiology: Dr. D. Y. Solandt, associate professor, from assistant professor.

Radiology: Dr. A. C. Singleton, assistant professor, from associate.

School of Hygiene: Drs. E. W. McHenry and D. L. McLean, associate professors, from assistant professors.

Retiring, June 1939:

Dr. A. G. McPhedran and Dr. H. C. Parsons, to whom reference is made in the report of the department of medicine. Dr. P. G. Goldsmith, professor of oto-laryngology. Dr. Goldsmith has been head of his department since 1922 and during that time has brought it to a position of distinction among the otolaryngolical teaching units of America. The Faculty sincerely regrets that the time has come for his retirement from university work and hopes that he will have many years of enjoyment of the practice of his profession.

It is my sad duty to record the deaths during the past year of an unusually long list of distinguished men who did much to bring this school to the position it occupies to-day. They are Dr. W. B. Hendry, formerly professor of gynaecology and obstetrics, Dr. James Playfair McMurrich, formerly professor of anatomy, Dr. A. J. Mackenzie of the department of medicine, Dr. Gilbert Royce, formerly associate professor in the department of otolaryngology and Dr. W. B. Thistle, formerly professor in the department of medicine.

(4) REPORT OF THE DEAN OF THE FACULTY OF APPLIED SCIENCE AND ENGINEERING

(*C. H. Mitchell, C.B., C.M.G., C.E., D.Eng.*)

The students of this Faculty have continued to apply themselves to their studies in a manner which is highly satisfactory. This feature of the academic work throughout the past session appears to be the natural outcome of the earnest and serious work of the preceding several years in the period of technical and business recovery.

It is encouraging that the young men of this generation realise that notwithstanding the tendency to unrest and superficial education, it is necessary for them to thoroughly equip themselves in applied science for the necessities of the rapidly changing and growing requirements of the country. They realise that the country needs their services and that the more conscientiously and efficiently they prepare themselves, the more useful they can be and the greater their opportunities and reward.

The continued increase in attendance of students in this Faculty commands renewed attention. In last year's report this increase was pointed out, and an attempt was made to forecast the future trend. It was, however, somewhat of a surprise to be confronted last September with a marked resumption of increase in the first year, an increase from 276 to 319, or over 15 per cent. There had been no increase in the previous year, but the increases in the two preceding ones were 14 and 12 per cent. respectively. It is equally difficult to anticipate the number likely to enter next year, but it is fair to assume that there will be a number approaching last year, notwithstanding the increase in the fees, which has been necessitated and notice of which was given some months ago. Unsettled world conditions may, of course, have some effect, but such cannot be predicted.

It is, however, in the total number in the Faculty, and in the manner in which they distribute themselves in the various courses, that difficulties of instruction and accommodation arise. If, even with increasing first years, the students distribute themselves in appropriate proportions, difficulties in this respect may not occur. The facts are, however, that they continue to crowd into the mechanical and chemical engineering courses, with the result that these, with their limited accommodation, consequently suffer in this respect. The increases in the first year this session have been 56 per cent. in mechanical and 18 per cent. in chemical engineering, and these have been superimposed upon increases in the preceding years. Such increases cause extreme difficulties in both instruction and accommodation when such large groups arrive in the senior years, and our experience has been that efficiency cannot be maintained without much labour, anxiety, and strain on the part of our limited staff.

Attention was drawn in this report a few years ago to the increasing numbers of students coming to this Faculty, and it is now important again to present these, brought up to date, to obtain a perspective of the interest young men are taking in this field of education. The following table covers attendances for the past ten years, from the period before the depression. These figures may be considered as barometric, indicative of the material development of the country in industry and business.

ATTENDANCE IN FACULTY OF APPLIED SCIENCE

Session	I Year	II Year	III Year	IV Year	V Year (Arch.)	Total
1929-30	276	158	150	117	—	701
1930-31	329	231	151	139	—	850
1931-32	281	286	175	139	—	881
1932-33	265	250	236	157	6	914
1933-34	226	238	203	207	9	883
1934-35	221	189	198	179	8	795
1935-36	248	175	160	176	7	766
1936-37	282	205	154	136	12	789
1937-38	276	227	174	148	8	833
1938-39	319	225	212	163	6	925

Examination of this table leads to the reasonable conclusion that the steady increase of recent years is likely to continue for at least several years unless unforeseen causes dislocate the steady upward trend in engineering education which is discernible in both Canada and the United States. Adopting the usual methods of forecasting attendance in a four years' course, it is to be expected that, assuming an incoming first year of about the same or even less than last year, the attendance in this Faculty next year is likely to approach a thousand students.

With respect to the academic performance of the students in the four years in this Faculty, it is desirable to draw attention to this year's results in comparison with those of the previous sessions. In last year's report these results were referred to and four observations were made arising from a study of ten years' results. It was noted that failures had definitely declined, especially in the first year. It is to be reported, however, that in the examinations of this session the failures in the first year have again noticeably increased. An effort is now being made to ascertain the cause of this and to discover how much may be attributable to the methods of matriculation, wherein increasing numbers of students are coming into this Faculty by the process of recommendation rather than by matriculation examinations set for the purpose—a system which became effective five or six years ago. The following table of failures is presented for these comparisons:—

PERCENTAGES OF FAILURES IN ANNUAL EXAMINATIONS

	1939	1938	1937	1936	1935	1934	1933	1932
First Year	29.0	22.7	24.9	32.2	27.5	23.7	21.0	21.4
Second Year	16.0	13.2	19.2	23.5	26.5	18.0	20.8	19.6
Third Year	6.8	7.6	7.3	17.2	10.6	11.5	8.0	11.5
Fourth Year	4.2	0.7	1.4	1.2	2.8	4.4	1.3	4.4

Changes continue to be made in curriculum. Changes in the past two or three years have been very considerable, the numerous additions being due mainly to provision for instruction in various new phases in applied science in practically all graduating departments. Heads of teaching departments in this Faculty have been assiduous in their endeavour to meet these new and changing trends in a desire to anticipate the requirements for suitably educated young men going out into engineering and business fields, which have materially changed in the past decade. The technical requirements of today impose many new subjects which ten or twenty years ago were not in the applied science picture; nowadays engineering education has come to be a mosaic of a complicated and multi-coloured pattern.

The curriculum in the calendar of the Faculty for the coming year contains 269 lecture courses of varying lengths of one or both terms, and accompanying these are 189 laboratory courses, 458 courses in all. This total is over 50 per cent. more than that contained in the calendar of ten years ago and constitutes a measure of the extent by which the work and load of this Faculty has expanded in the past decade.

It is now apparent that the staff of the Faculty is endeavoring to carry a very heavy load, and similarly calls upon the students to do likewise while performing their work in the same period of time in the two terms comprising the university session. Not only is this represented in more work, but in a greater diversity of work in the increased number of new fields or phases of instruction. The number of members of the academic staff carrying this load the past session comprised 39 professors of all grades, 14 lecturers, 9 instructors, and 40 demonstrators, together with three administrative officers. 14 special lecturers were called in from outside to assist. Subordinate staffs in offices, laboratories, and service workshops in all grades comprised 32 additional, the whole making a total of 151 members. In addition to these, other Faculties contributed in various forms of instruction through 28 professors and 17 lecturers and demonstrators, a total of 45.

Attention must again be drawn to the great need of additional building accommodation and equipment, especially in the departments of chemical and mechanical engineering. The situation in this regard has become much more acute the past two years, and will be more so during the next two, because of the large classes passing through to the senior years. This has been brought continuously to notice for the past nine years or more and it must be emphasised that the situation is now so much more acute that efficiency of instruction is definitely impaired. It is with much reluctance that this statement has now to be made in more definite form than heretofore.

With respect to the general situation in this Faculty in regard to increasing attendance, continuously expanding curricula in an endeavour to meet new trends, inadequacy of staffs, and lack of sufficient building accommodation and equipment, it is with gratification that we learn of the intention of the University to afford opportunity for senior members of the staff of this Faculty to examine and study other similar institutions with a view to still further improving our own. It is further most gratifying to learn that similarly, from suggestion through the Engineering Alumni Association with the co-operation of this Faculty, authorisation is now given to have a survey made of the whole structure and work of the Faculty in curricula, staff, building accommodation and equipment, and a relation to the development of the industries and engineering activities of the country, by an independent outside expert in engineering education with wide experience and vision. Such a survey will be most helpful and will be welcomed by the Faculty as a constructive measure in which all members will be anxious to lend hearty co-operation along with the Alumni.

The employment of graduates and their adoption into the activities of the country has been most gratifying. The past few years this has been uppermost in the minds of educators, students, and industry alike, and this year the ratio of employment of graduates has proved to be again about ten per cent. greater than the previous year. There is no doubt that the country can readily absorb all the graduates of this Faculty in the various departments.

Research has continued in the Faculty with the same enthusiasm and resulting success in applied science fields under the direction of the School of Engineering Research. A report of these activities, signed by the Chairman of the Committee of Management, accompanies this report. It will be observed that there have been 24 researches done during the session, on subjects which bear on useful phases and applications in the engineering and industrial fields, which is the prime objective of the School.

With the commencement of the session, the new head of the department of mining engineering, Professor C. G. Williams, took over his duties. It was with the greatest of pleasure that the Faculty welcomed Professor Williams to this post, bringing, as he does, a very wide and valuable experience in this field.

It is with some anxiety that we have to report illness of various senior members of the staff throughout the session. Great regret is expressed with the enforced retirement of Professor F. C. Dyer, of the department of mining engineering. He was suddenly stricken with a serious illness and wholly incapacitated at the commencement of the session. Professor Dyer has served the University with ability and great faithfulness for over thirty years, and his loss will be much felt.

The illness of other members of the staff, coinciding during the session, has given their colleagues much concern. Five members, all of professor and associate professor grades, have necessarily been absent on sick leave for various periods of from two to six months during the session, and one professor is now being given a year's leave of absence, to recuperate. These unfortunate circumstances appear to reflect an overworked staff, due to loads in various departments; illness of key members of any staff inevitably imposes additional burdens on colleagues, so that difficulties of overload increase. Serious thought is being given to this problem, which has arisen probably because of over-crowded curriculum and insufficient facilities for instruction to the increasing numbers of students.

(5) REPORT OF THE DEAN OF THE ONTARIO COLLEGE OF EDUCATION

(Dr. J. G. Althouse)

Total registration figures of the Ontario College of Education showed an increase of 65 over the previous year; in the High School Assistants' Course, there was an increase of 90. The general trend towards heavier enrolment in the Specialist courses was sustained, and unusual interest was shown in the supplementary courses in Art, Physical Education and Shop Work.

The revised course of study in the Library School, greatly facilitated by the appointment of Miss M. E. Silverthorn, B.S., A.M., as lecturer in Book Selection, made a favourable impression. In addition to the regular laboratory work in the Toronto libraries, an arrangement was made this session with the Hamilton Public Library and with the Rochester (N.Y.) Public Library for student practice work. Ten students availed themselves of this privilege and expressed appreciation of the experience gained.

During the year the department of educational research, at the request of the Matriculation Conference and the Department of Education carried out a searching investigation into the academic records of all students entering the faculties of Arts of Ontario universities in 1932. Reports of the investigation were submitted to each of the universities concerned, and a final report was presented to the Matriculation Conference under the title,*"The Relation between*

Matriculation Marks and the Achievements of Students in Ontario Universities". Two French Tests in Grammar and Vocabulary, for first and second year high school, were completed, and the Advanced Group Test of Intelligence for high school pupils has progressed to the stage when norms can be established. A start has been made on a series of reading tests for the elementary schools. Members of this department participated in the New Education Conferences held in Hamilton and Detroit, and in the Ottawa meeting of the American Association for the Advancement of Science.

Two members of the department, who have rendered yeoman service for several years, departed to assume positions of greater responsibility. Dr. C. B. Conway became a Special Inspector in the Department of Education of the Provincial Government in British Columbia, and Dr. M. A. Cameron became Professor of Education and Acting Head of the Department of Education in the University of British Columbia.

This report would be incomplete without reference to the resignation of two veteran members of the staff of the University of Toronto Schools. Ill health caused the retirement of Mr. J. A. Irwin, B.A., after 28 years' service in the Schools. For the greater part of that period Mr. Irwin had been senior master of the junior school and a veritable tower of strength to three successive headmasters. Mr. J. H. Mills, M.A. reached the retiring age in full vigor of mind and body and after an unparalleled record of preparing scholarship winners.

(6) REPORT OF THE SECRETARY OF THE FACULTY OF HOUSEHOLD SCIENCE

(*Professor C. C. Benson*)

The registration in the faculty has, this year, been about the same in number as it was last year, and with much the same distribution. We have again had a number of students coming from Macdonald Institute and entering the third year. This year we have been glad to find that many of them have come with better preparation, and have entered the specialist branch of the course for the degree of Bachelor of Household Science. These students have done good work and have obtained standing. The other students from Macdonald Institute, however, who entered the pass course were, unfortunately in some cases, unable to complete the work, and we are very sorry to have to report four failures in this year from among these students. The first year students, too, have seemed to be badly prepared, and far too many of them were unable to obtain standing.

In this session the staff members have, in general, been about the same as they were in the previous session, but one assistant in the department of household science has been married, and a graduate from the Bachelor of Household Science specialist course has taken her place. In the department of food chemistry one of the members of the staff has been married and is withdrawing this year.

It is with regret that we record the death of Miss Annie L. Laird who, until her retirement three years ago, had been professor of household science from the beginning of this work in the University. Under her direction household science work has developed greatly. From a graduating class of two, as the first to graduate from the Faculty of Household Science, the numbers have grown so that by this time more than one thousand students have graduated with the degree of B.A. from the department of household economics, or with the degree of B.H.Sc. from this faculty. Miss Laird built a good foundation for the study of the various branches of household science, had seen that the students so trained have undertaken useful and valuable work for which they were all prepared, and had followed their careers with close attention, so that the connection has remained between the University and the graduates in this branch of study. She will be greatly missed, but her work continues.

(7) REPORT OF THE DEAN OF THE FACULTY OF FORESTRY

(Dr. C. D. Howe)

The use of unemployed youth in forest work was inaugurated by the Dominion government three years ago on an equally sharing basis as to cost with the provinces. It achieved varying degrees of success; it was the most successful in British Columbia and apparently the least so in Ontario. The project has been revamped and much enlarged through a greatly increased appropriation by the Dominion Parliament; it has even been given a new name, the National Forestry Program. This has naturally stimulated the demand for foresters. At the time of this writing the Dominion Forest Service and the Provincial Forestry Branch have engaged for the work seventeen graduates and undergraduates of the Faculty including the six members of this year's graduating class.

The continued state of uncertainty in political and industrial affairs has caused still further contraction in the pulp and paper industry and so has affected adversely the employment of foresters. In addition to this the failure of one company caused five of our graduates to lose their positions. None of this year's graduates but ten undergraduates have been employed by the pulp and paper companies this spring, all but one of the latter by the Spruce Falls Power & Paper Company, Limited at Kapuskasing.

The six men of the graduating class have been employed as mentioned above. Of the twenty-seven undergraduates, the pulp and paper industry is employing the largest number with ten, next the Provincial Government with nine and the Dominion Forest Service with three. One man is employed by the Department of Agriculture in Saskatchewan and one by a boy's recreation camp. The three remaining undergraduates, first year men, are employed although not in definite forestry work.

About twenty years ago an epidemic of the spruce budworm destroyed many million cords of potential pulpwood supplies in eastern Canada. Now another insect pest, the spruce sawfly is assuming epidemic proportions in lower Quebec and the Maritimes and is spreading westward very rapidly. Although the life history of the spruce budworm was carefully studied by government entomologists, they did not succeed at that time in arousing governmental interest in preventive measures. Fortunately the attitude of public opinion and hence of the government has grown increasingly sensitive to the alarming economic aspects of forest devastation, particularly in the last decade, so the present insect invasion is being met with energetic and well planned combative forces, in the beginning chiefly at the instigation of the Woodlands Section of the Canadian Pulp and Paper Association but now with the earnest co-operation of the limit holders and all the forestry organisations. The research work and the planning of the attack are being carried on by the Entomological Branch of the Dominion Department of Agriculture. A laboratory for the breeding of parasites has been established at Belleville, Ontario, and from it around a hundred million insect parasites have been distributed in the areas affected by the spruce sawfly. It is too early as yet to forecast the results but the greater portion of the several species of parasites used has been introduced from Europe where they keep the same species of sawfly, or one closely related to it, in check.

As a result of the enormous losses of pulpwood by insect pests, and their induced diseases, and the likelihood that they may recur periodically, the foresters are convinced that an insect protective service should be established by each provincial government, not as a separate service, however, but joined with the fire protection service. This would involve training fire rangers for the purpose. As in the case of fires insect attacks should be nipped in the bud before they get out of control. The development of really effective forest fire protection is based on a thorough investigation of the inducing conditions and careful research into the basic causes, so an insect protective service to be successful would need a corps of trained specialists. It is one of the functions of a forestry school to prepare men for such work and we have already done so by encouraging students to spend from two to four years in graduate work after obtaining their bachelor's degree. Lately, however, considerable pressure has been brought to bear on us to divide for certain students the present undergraduate course in the middle and to devote the last two years to developing specialists in forest entomology. We have resisted that pressure because we do not believe the proposed method would produce men as well trained as our present procedure, that is, through graduate work after leaving the Faculty. Three of our men who did their graduate work in this and other universities are making very creditable contributions to our knowledge of forest insects.

(8) REPORT OF THE DEAN OF THE FACULTY OF MUSIC

(*Sir Ernest MacMillan*)

During the year 1938-39 the number of students registered for the Mus.B. degree was fifty-five. Ten of these were registered in the first year, nineteen in the second, and twenty-six in the third. The degree of Bachelor of Music was conferred on seven students; the degree of Doctor of Music was conferred on one student. Co-ordination between the University and the Conservatory Lecture Courses has enabled students in the Faculty of Music to be offered a number of extended courses of twenty-five lectures each, instead of the usual courses given in previous years.

The number of students registered in the music course in the Faculty of Arts was nine in the first year and five in the second. All lectures and tutorial classes in this course have been given by Professor Healey Willan and Professor Leo Smith. The course appears to be working satisfactorily on the lines originally planned.

Seven organ recitals were given in Convocation Hall—five by Professor Willan, university organist, and one each by Dr. Charles Peaker, and Mr. John Weatherseed of Montreal.

Musical activities in Hart House, although not lying within the province of this Faculty, are always followed with great interest. The usual Sunday evening and Friday afternoon series of concerts have been well attended and one notes with interest the progress made by the Hart House Glee Club, under the direction of Dr. Charles Peaker.

Mr. J. L. Richardson's Carillon Recitals from the Memorial Tower continue to interest large numbers of the public and contribute greatly to the enjoyment of open air university functions such as those at Convocation and on Armistice Day.

The Conservatory Choir gave its annual performance of Bach's "St. Matthew Passion" on April 4, and on December 27 sang Parts I and II of Bach's "Christmas Oratorio". The latter work was broadcast over the C.B.C. National Network.

The Conservatory Orchestra, under the direction of Mr. Ettore Mazzoleni, has had an exceptionally active season, appearing twice in Convocation Hall and twice in Massey Hall and presenting most enterprising programmes.

Concerts given by the Conservatory String Quartet have been well attended and the Chamber Music Club organised a year ago under the auspices of the Quartet has developed into an important feature in our student life.

The success of the Summer School held in July, 1938, at the Conservatory, has encouraged expansion and a more ambitious scheme for the present year has been planned. This involves the engagement of three teachers of international standing and an extension of last year's scheme of lecture courses.

The appointment of Mr. W. Kenneth Gibb, B.Com., as Secretary-Treasurer of the Conservatory is welcome as adding to the strength of the administrative staff of the institution.

At the end of May, 1939, registration for tuition at the Toronto Conservatory of Music showed an increase of one hundred and forty-five over that of the previous year. The number of candidates for examinations for the present season has been 13,608—as compared with 13,482 for the season 1937-38.

(9) REPORT OF THE DEAN OF THE SCHOOL OF GRADUATE STUDIES

(*Professor G. S. Brett*)

The number of students registered in the School of Graduate Studies for the year 1938-9 was 565. As the number enrolled in 1937-8 was 583, this figure indicates a decrease of 18. The number registered for the Ph.D. was 134, an increase of 16 as compared with the record for 1937-8. For the M.A. the number registered was 177, an increase of 4. The number of students enrolled as graduate students only dropped from 205 to 145. The decrease in the grand total appears to be due to the decrease in this class: if the decrease is due to the fact that the fees have been raised, it is reasonable to suppose that the higher fees tended to eliminate some of those who were not competent or were not concerned to complete the work for a degree. The number of men enrolled was 430, a decrease of 2 as compared with the previous year: the number of women dropped from 151 to 135, equivalent to the number reported in 1937.

The number of students resident in Toronto was 243; the number from the Province of Ontario (excluding Toronto) was 149. In both cases there was a decrease, namely 16 in the case of students from Toronto and 13 in the case of students from other parts of Ontario. The difference in the totals for 1937-8 and 1938-9 was a decrease from 421 to 392. [For detailed distribution see Appendix B (k)]. The number of students from other Provinces of Canada was as follows:—Manitoba 24, Saskatchewan 24, Nova Scotia 23, Alberta 17, British Columbia 15, New Brunswick 12, Quebec 7. These figures are normal and indicate a distribution which does not vary to any significant extent from year to year. The number from the United States increased from 32 to 36: the total from other countries was 15.

The number of institutions represented in the School was 60. The distribution was as follows:—Canadian 16, British 7 (including India, 2), China 5, Germany 1, Austria 1, Copenhagen 1, United States 29. The number of students from Universities in Ontario other than Toronto was 98, including 37 from Queen's, 34 from McMaster, 27 from Western Ontario. The number of students who took their first degree at Toronto was 301. It may be useful in this context to draw attention to the relatively large number of fellowships, scholarships and other emoluments which are annually granted in the United States to students from Toronto. As a result many good students leave this University because they cannot otherwise obtain funds to enable them to continue their studies. This is a matter for regret to some extent, but definite advantages accrue from wider experience, and the generosity of the institutions willing to extend their facilities to students from Canada deserves proper recognition.

The distribution of the candidates for the different degrees was as follows:—

Ph.D.	134
M.A.	177
M.Com.	1
M.S.	3
M.A.Sc.	24
E.E.	1
Mech.E.	2
D. Paed.	55
M.Sc.F.	1
M.Sc.(Dent.)	4
M.S.A.	12
Mus. Doc.	4

The distribution of the candidates according to the major subject was:—Anatomy 3, anthropology 3, applied mathematics 3, astronomy 1, biochemistry 16, biology 33, botany 21, chemistry 41, chemical engineering 15, Chinese archaeology 3, civil engineering 4, classics 17, dentistry 4, educational theory 1, electrical engineering 1, English 52, food chemistry 1, forestry 2, geography 2, geology 17, germanic languages 6, history 22, household science 4, law 4, mathematics 11, mechanical engineering 5, metallurgical engineering 2, mineralogy 2, mining engineering 2, music 4, pathological chemistry 3, pedagogy 55, pharmacology 3, philosophy 49, physics 32, physiology 9, physiological hygiene 3, political science 22, preventive dentistry 1, psychiatry 1, psychology 39, romance languages 24, surgery 3.

The number of students recommended for degrees was:—

Ph.D.	32
M.A.	105
M. Com.	1
M.S.	3
M.A.Sc	12
M.E.	2
D.Paed.	3
Mus.Doc.	1
M.S.A	2

Fellowships:—The fellowships and scholarships named below were awarded by the Council of the School on the recommendation of the scholarship committee and the other committees of award:—

Open Fellowships:—
W. R. Butler, B.A. British Columbia, department of English.
L. D. Armstrong, B.A. Saskatchewan, department of physics.

Reuben Wells Leonard Fellowships:—
Miss M. H. Herriot, B.A. Manitoba, department of history.
Miss F. M. MacLeod, M.A. Alberta, department of English.
Miss A. D. Britton, B.A. Toronto, department of biochemistry.
M. F. Welsh, B.Sc. British Columbia, department of botany.
G. M. Neal, M.A. British Columbia, department of biology.
D. V. Wade, B.A. Western Ontario, department of philosophy.

Alexander Mackenzie Fellowships:—
D. Spring, B.A. Toronto, department of history.
A. S. Abell, B.A. Alberta, department of political science.

Ramsay Wright Scholarship:—
A. Wilkes, M.S.A. Toronto.

George Paxton Young Fellowship:—
S. Dillick, M.A. Toronto.

War Memorial Fellowships:—
B. J. Beveridge, B.A. Toronto.
A. E. McWha, B.A. Western Ontario.

Maurice Cody Fellowship:—
J. H. Aitchison, B.A. Saskatchewan, B.Sc. London.

Staff Appointments: The number of graduate students holding positions as demonstrators or instructors during the session 1938-9 was 181.

(10) REPORT OF THE DEAN OF THE FACULTY OF DENTISTRY

(*Arnold D. Mason, D.D.S.*)

One of the difficulties of teaching in the professional faculties is the correlation of the basic sciences to the subjects more closely related to practice. In this Faculty we endeavour to maintain good co-ordination of the teaching of the subjects in the various departments so that the student receives a clear conception of the relation of the fundamental and practical subjects. This principle in teaching was the salient feature of the meeting of the American Association of Dental Schools held at Cleveland, March 20th to 22nd. Drs. F. M. Lott, R. G. Ellis, L. Kilburn, R. J. Godfrey and myself attended. Papers were read on administration, plans for improving the teaching of the clinical application of the basic sciences, methods of grading students, as well as on the responsibilities of dental education in the development of a national health programme. I believe that the teaching by the members of the Faculty is improved and their enthusiasm rekindled as a result of these conferences.

Last year the Faculty sustained a great loss in the passing of Dr. W. G. Switzer, associate professor in dentistry. He was much appreciated by the students for his ability as a clinical teacher in prosthetic dentistry as well as being liked personally for his sympathetic qualities. Although his health did not permit him to return last fall, other members of the staff were pleased to carry out his duties and we were grateful for their co-operation. It was accomplished at considerable personal sacrifice but without additional salary expense.

About two months after Dr. Switzer's death on October 23rd, 1938, Dr. R. S. Woollatt was appointed to succeed him and devote his entire time to teaching. Dr. R. L. Twible, associate in dentistry, was moved from his duties in the senior laboratory to the prosthetic department in the Infirmary, while Dr. C. G. Pearson was appointed demonstrator in the senior laboratory.

Owing to the resignation of Dr. D. M. Tanner, associate in the Department of periodontology, Dr. W. G. McIntosh was appointed demonstrator in this subject.

In the department of medicine, Professor Duncan Graham, made arrangements to have the students of the fourth year taught the principles of medicine at the Toronto General Hospital as a groundwork for their lectures in the fifth year by Dr. F. A. Clarkson. Dr. Wallace Graham took charge of this instruction.

The following members of the staff were promoted last June from associates to associate professors of their respective subjects: Dr. L. F. Krueger, dentistry; Dr. J. H. Johnson, dental surgery and anaesthesia; Dr. C. H. M. Williams, periodontology.

The Faculty has been fortunate this year in the matter of scholarships and prizes for our students. The appeal to the graduates for funds to commemorate the lives of Deans A. E. Webster and Wallace Seccombe resulted in a generous response. A total of $4,000. was received for this purpose. The interest on this amount will be available for two scholarships for fifth year dental students, to be known as the Wallace Seccombe Memorial Scholarship and the Albert E. Webster Memorial Scholarship. The Oral Health dental journal donated three prizes for fifth year students: The Wallace Seccombe Prize for General Proficiency of the value of $150., and two Oral Health Theses Prizes of the value of $100. and $50. Through contributions of the Faculty and students the W. George Switzer Memorial Award was established for merit in prosthetic dentistry.

The total enrolment of dental students was 231, which was an increase of 44 over the previous year. Forty-eight members of the graduating class received the degree of Doctor of Dental Surgery, and of this number, 14 who were from other parts of the Empire and elsewhere, will return to their own countries. Of the 15 young women in the course in dental nursing, 11 received diplomas.

Twenty-two members of the staff gave lecture-clinics to various dental societies in many parts of the province. Places as far distant as Fort William and Timmins in Northern Ontario were included, as well as Ottawa in the east and Windsor in the west. In this way the latest thought in dentistry is carried to the practitioner and thus dental health service to the people of the province is greatly improved. This extramural service is made possible through the generosity of the Board of the Royal College of Dental Surgeons augmenting the appropriation of the University.

Over a period of years experiments with various methods of conducting post-graduate courses for practitioners have been tried. The best plan at the present time seems to be to make the necessary arrangements as the individual demand arises rather than announcing in advance organised courses. During the past year one graduate practising in Toronto attended once a week for ten weeks studying ceramics. Three graduates practising elsewhere in Ontario attended for a two weeks' course in orthodontia. Two practitioners from the State of New York remained for one week studying periodontology.

The Department of Health of the Ontario Government requested that a course in complete denture prosthesis be arranged for the dentists giving service in the Ontario hospitals. Ten men took this instruction which was concentrated into one week.

These courses were all self-sustaining and were very much appreciated by those attending.

It is very gratifying that our recent graduates are finding a need for their services and we believe that their future looks full of promise.

(11) REPORT OF THE DIRECTOR OF THE SCHOOL OF HYGIENE

(R. D. Defries, M.D., D.P.H., Acting Director)

In the temporary absence of Dr. J. G. FitzGerald through illness, it is my privilege to present the twelfth annual report of the School of Hygiene relating to the academic session 1938-39.

The School of Hygiene was established in the University of Toronto through the munificence of the Rockefeller Foundation for the purpose of providing graduate instruction in public health for physicians and to co-operate in the training of public health nurses and public health engineers. Post-graduate instruction in public health for physicians who desire to assume responsibilities as medical officers of health or other important positions in health organisations was first given in this university in 1912. Since that time, the course leading to the Diploma in Public Health has been continuously offered by the Faculty of Medicine. It will be recalled that provision for the training of public health nurses was first made in the University in 1921 by the creation of the Department of Public Health Nursing. The work of the original department has been greatly extended and provision is now made for instruction in public health nursing in the School of Nursing.

It is gratifying to record that this year the first normal course was given in public health engineering. With the co-operation of the School of Hygiene, the Department of Biology of the university, and the Department of Health of Ontario, the Faculty of Applied Science and Engineering provided a course of post-graduate instruction in public health engineering for graduates in civil engineering of approved universities. The course is designed to qualify engineers for appointments made by public health authorities, by sanitary engineering divisions of departments of works, and by industries engaged in the supplying or manufacturing of food products. By making available the facilities of the Stanley Park Experimental Station, the Ontario Department of Health has provided a valuable field laboratory for the study of problems in sanitation. Although instruction had been given to post-graduate students in engineering, no formal course had been previously offered. With this provision, facilities are now available in the University of Toronto for the adequate training of public health personnel, including physicians, engineers and nurses. Facilities are also provided to suitably qualified candidates desirous of obtaining special training in vital statistics and in public health laboratory work. The provision of these facilities has been appreciated by several of the provincial departments of health in the training of their personnel.

During the year, seventeen candidates took the course leading to the Diploma in Public Health. Three were from British Columbia, one from Manitoba, four from Ontario, six from Quebec, one from New Brunswick, one from Prince Edward Island, and one from Alaska. The total number of candidates who have received the Diploma in Public Health since the inception of the course in 1912 is 198. It is of interest to record that 143 are engaged in public health work in Canada, 12 in the United States, and 13 in other countries. Of the remainder, 16 are deceased or retired.

The departments of the School of Hygiene provided opportunities for graduate students proceeding to higher degrees and also provided instruction to undergraduate students. The following summary presents the number of students receiving instruction in the departments of the School of Hygiene.

SUMMARY OF STUDENTS RECEIVING INSTRUCTION IN THE SCHOOL OF HYGIENE, SESSION 1938-1939

A.	*Graduates*	
	Candidates for Diploma in Public Health	17
	Candidates for degree of Ph.D.	3
	Candidates for degree of M.A.	2
	Candidates for the degree of M.A.Sc.	2
B.	School of Nursing	68
C.	*Undergraduates*	
	Faculty of Medicine, 5th year	133
	Faculty of Household Science,2nd and 3rd years	26
	Faculty of Arts, 2nd, 3rd, and 4th years	72
	Second-year Pharmacy	118
		441

The Hastings Memorial Fellowship was established in 1929 as a memorial to the life and work of the late Dr. Charles J. O. Hastings, medical officer of health of the city of Toronto from 1910-1929. It is awarded every three years and was granted in 1938 to Dr. L. E. Ranta. The purpose of the fellowship is to further original investigations in the field of preventive medicine and valuable contributions have been made by the recipients.

The provision of fellowships in public health by the Rockefeller Foundation and by the Connaught Laboratories has been an important factor in making possible this large group of trained medical personnel in Canada. Without the assistance of such fellowships, only a small number of those who have had the opportunity of taking the course could have taken such post-graduate work. The importance of the contributions made by the School of Hygiene in the training of physicians in public health cannot be over-estimated. It is recognised today that trained public health personnel are absolutely essential if further advances are to be made in improving and safeguarding the health of the public.

The obtaining of post-graduate training offers a serious problem to many physicians, particularly those who are graduates of a few years' standing and who are serving as part-time health officers. The importance of the office of health officer is being increasingly recognised and qualifications for this appointment are being carefully considered by departments of health. In Ontario, the Department of Health is establishing qualifications and in this connection the Minister of Health requested the School of Hygiene to consider how facilities might most effectively be provided for the training of health officers. This matter is being thoroughly studied.

To facilitate the attendance of part-time health officers at the course leading to the Diploma in Public Health, the instruction has been arranged in four terms, each of approximately eight weeks. Consideration is being given to the provision of facilities for employed health officers for observing the methods in modern public health administration and for obtaining suitable field experience. In this connection, it is hoped that it may be possible to develop a field-training centre in association with the School of Hygiene. The Rockefeller Foundation has expressed its interest in this objective and in the plans which are being discussed for the training of part-time health officers.

Studies and investigations have been undertaken in the department of hygiene and preventive medicine and in the sub-department of chemistry in relation to hygiene, as well as in the departments of epidemiology and biometrics. and physiological hygiene. The studies in the department of hygiene and preventive medicine have been presented by Dr. D. T. Fraser in his report to the Dean of the Faculty of Medicine. At the request of the Dominion Council of Health, the department of epidemiology and biometrics has undertaken to study the form and content of the statistical data as presented in the registrar-generals' reports of the various provinces, with the object of making recommendations. The department has also been asked to offer suggestions as to the statistical content of the reports of the various provincial departments of health. Details of studies conducted in the department of physiological hygiene under the direction of Dr. C. H. Best, in the sub-department of chemistry in relation to hygiene under the direction of Dr. P. J. Moloney, and in the department of epidemiology and biometrics under the direction of Dr. R. D. Defries are presented in the report of the Director of the Connaught Laboratories since these studies are made possible, in part, through grants from the Connaught Laboratories.

As in previous years, the School of Hygiene has had the opportunity of entertaining visitors for varying periods. They have come from Australia, China, Cuba, Dutch East Indies, Finland, India, Argentina, France, England, New Zealand, the United States of America, and the various provinces of Canada.

(12) REPORT OF THE LIBRARIAN

(*W. S. Wallace, M.A.*)

I beg to submit the following report on the work of the University Library for the year ending June 30, 1939.

The number of volumes added to the Library during the year has been 16,125, and the number of pamphlets 5,105; making the total number of accessioned volumes in the Library 368,280, and the total number of pamphlets 140,500—or a grand total of 508,780.

The following are the statistics of the use of the Library by undergraduates in comparison with previous years:

	1921-22	1926-27	1934-35	1937-38	1938-39
Reading-room books	41,928	106,485	186,605	193,708	195,869
Over-night books	18,998	39,779	107,559	102,675	102 233
Week books	4,782	13,104	23,399	21,233	21,247
Totals	65,718	159,278	317,541	318,616	319,349

The following is a statement showing the circulation in the medical, political science, University College, and law reading-rooms during the year, in comparison with other years:

	1934-35	1935-36	1936-37	1937-38	1938-39
Medical reading-room					
Reading-room	10,761	11,195	12,814	11,333	12,145
Over-night	11,386	12,219	12,425	10,072	10,755
Week books	3,606	3,622	4,188	3,069	2,941
Totals	25,753	27,036	29,427	24,474	25,841

Poiltical Science:					
Reading-room	12,567	11,208	9,088	8,956	10,158
Over-night	6,890	6,338	4,865	5,438	5,484
Totals	19,457	17,546	13,953	14,394	15,642
University College:					
Reading-room	33,325	30,746	30,992	28,310	27,275
Over-night	17,943	16,466	15,923	13,514	12,005
Week books	.....	.....	.....	593	649
Totals	51,268	47,212	46,915	42,417	39,929
Law reading-room:					
Reading-room	8,822	15,585	22,985	25,981	29,242
Over-night	2,870	4,368	4,004	4,302	4,657
Week books	251	524	373	499	442
Totals	11,943	20,477	27,362	30,782	34,321

The following is a statement showing the total circulation in the Library during recent years:

	1925-26	1934-35	1936-37	1937-38	1938-39
To undergraduates	159,278	317,541	341,086	318,616	319,349
To professors and graduates	20,000	40,843	39,437	41,607	41,439
Totals	179,278	358,384	380,523	360,223	360,788

It will be seen from these figures that the total circulation of the University Library during the past year has been practically the same as the year before. A decrease in the circulation in the University College reading-room, which is difficult to explain, has been more than counterbalanced by the increase in the circulation in the law reading-room.

These figures, it should be explained, are exclusive of books taken for consultation from the reference shelves, of which 29,268 have been replaced by the library assistants in the main library, during the past year; and of course they take no account of the very considerable circulation of books in some of the departmental libraries.

The number of interlibrary loans has also remained about the same. During the year the library handled 850 interlibrary loans, as against 851 last year: 531 of these books being lent, and 319 being borrowed.

During the past year the binding and mending department has prepared for binding 3,455 volumes, mended 2,745 volumes, and placed in pamphlet binders or boards 978 volumes. During the year there were filed in the depository set of Library of Congress cards a total of 128,475 cards.

The death of Miss Hester Young, the reference librarian, on November 23, 1938, removed from the staff of the University Library one of its oldest members. Miss Young, who was at the time of her death on a year's leave of absence pending retirement on pension, had served in the library for thirty-five years, first as chief cataloguer, and latterly as reference librarian; and it is a matter of regret that she should have lived such a short time to enjoy the well-earned leisure of retirement. I should also note the retirement on pension last July of Miss Alice Stennett, who has been a member of the cataloguing staff of this library since 1916, after having served for several years with the New York Public Library and McGill University Library.

The retirement, followed by the death, of Miss Young has made necessary a readjustment of the reference work in the Library. The post of reference librarian has ben discontinued, and the reference work has been placed in charge of the head of the circulation department. The circulation department has been strengthened to enable it to handle reference work. It is indeed, in a university library, so difficult to draw the line between circulation and reference work, that it would seem best to have them handled by one department. It is hoped that the library will thus be enabled to offer a reference service of increasing value to the University.

In addition to its ordinary work, the circulation department has continued its preparation of the *Canadian periodical index*, and the first cumulated volume, that for 1938, has now made its appearance. Ample testimony has reached us as to the usefulness of the *Canadian periodical index*. In making the contents of Canadian periodicals more readily available, it is performing a valuable service, not only to libraries in general, but also to Canadian literature in particular.

Among several gifts and bequests received by the Library during the year, especial mention must be made of the very generous and valuable gift made by Professor Lash Miller of the collection of books and periodicals in chemistry which he had built up during his long and distinguished service in the University. This collection, which comprised nearly 3,000 volumes, many of them difficult or impossible to secure, has now been accessioned and catalogued, and has been transferred to the chemical building as a departmental library in chemistry. Professor Lash Miller has kindly undertaken to continue to supply the current volumes of most of the periodicals in the collection, but the University has undertaken to bind them and in general to keep the collection up to date.

In conclusion, I should like to be allowed to repeat what I have said in previous reports, namely that it is most desirable that the University should now make plans either for extending the present library building, or for building a new and modern university library building in the near future. The stack-room of the library is now filled to over-flowing; and if all the books that are out in the possession of individual borrowers were returned, we should not be able to find room for them on the shelves. It has already become necessary to withdraw from circulation and place in storage certain periodicals which are in only occasional use; but even in the library building space for storage is practically exhausted, and it is becoming necessary for us to store some of the university library books in the cellars of University College and other buildings. Under such congested conditions, the administration of the University Library becomes increasingly difficult, and I have nothing but the highest praise for the way in which my assistants have carried on the work of the library under these conditions.

(13) REPORT ON RESEARCH

Anatomy, under direction of Professor J. C. B. Grant

Professor J. C. Watt has been engaged in translating and editing the second and third volumes of the new edition of Sobotta's *Atlas of Human Anatomy*. The late Professor J. P. McMurrich had completed this work on the first volume.

Professor W. H. Piersol has completed the study of a very early and very rare human embryo in which only three pairs of somites have been developed. His report on this embryo is being published as one of the University of Toronto studies.

Dr. C. G. Smith has continued his investigation on the regeneration of sensory olfactory epithelium; his previous work on this subject was on the rat. This time it is on the frog. He finds that both the primary olfactory sensory neurons and the supporting elements regenerate.

Dr. R. K. George has made a study of the valves in the spermatic veins.

The head of the department has been engaged in preparing a second edition of his text-book, and in collaboration with Dr. H. A. Cates has written a companion to this book for use in the laboratory. In all of this he has had the assistance of Dr. R. K. George.

Mr. H. E. LeMasurier, in collaboration with Dr. Branion of the poultry department of the Ontario Agricultural College, has made the following three investigations on the nutrition and growth of the fowl up to six weeks of age and has reported on them: (1) A radiological study of the development of the fowl on a mineral deficient ration. (2) The relation of the mineral supplement consumption to the normal skeletal development as judged by X-ray examination of various breeds of fowl. (3) Some observations on the skeletal development of the fowl. In further collaboration with Dr. Branion he has made observations on unabsorbed yolk in chicks and on the place of oyster shell in the ration of the fowl.

Directed by Dr. A. W. Ham

Dr. K. Baldwin, working under a grant from the Banting Research Foundation, has studied the development of the lung. She has shown that near the end of the foetal development the lining cells of the alveoli separate—instead of becoming stretched into a thin membrane as is commonly believed—and therefore that postnatal alveolar walls are not covered with epithelium.

Miss M. G. Chapman, also working under a grant from the Banting Research Foundation, has shown that rat endometrium will grow in vitro with embryonic extract, and that oestrogens in cultures do not replace the growth stimulating effects of embryonic extract, even though they induce marked growth of this tissue in vivo. (This work is being carried out in an attempt to gain more fundamental information regarding normal and pathological cell growth).

Miss Vera Ryder has, throughout the year, obtained a considerable amount of human and animal specimens with a view to determining how bones continue to grow in girth at the site of attachment of tendons.

Dr. Ham has performed further experiments related to the production of disease of the coronary artery, nephritis and periarthritis nodosa by upsetting the calcium and phosphorus metabolism. Through the courtesy of Dr. Best, the tissues of many animals shown to be diabetogenic, following the injection of pituitary extracts, were made available for histological study. This study is being performed by Dr. Ham of this department and Dr. Haist of the department of physiology. It is yielding much information regarding the action of the extract on tissues as well as revealing the progressive histological changes that occur in the pancreas. Further work was carried out this year with Drs. Tisdall, Drake and Robertson of the department of paediatrics in connection with diet and the parathyroid glands. This and former work has established the fact that rickets is not necessarily associated with parathyroid hypertrophy; that the latter develops as a result of hypocalcaemia and that neither hypo- nor hyperphosphataemia causes parathyroid hypertrophy in the absence of hypocalcaemia.

Applied Mathematics, under direction of Professor J. L. Synge

G. E. Hay, M.A.: The general theory of the periodontal membrane developed during 1937-38 has now been used to plot those regions in the membrane in which the pressure due to various types of loading exceeds the pressure in the capillaries. The method of development in powers of a small parameter has been applied to give a systematic treatment of the bending of thin rods. These investigations have been carried out under a studentship of the National Research Council of Canada.

L. Infeld, Ph.D.: The equations of motion in general relativity theory have been developed for the case where coordinate conditions are not assumed and matter is treated as singularities in the field.

A. F. Stevenson, Ph.D.: A method previously given for the approximate calculation of energies of atoms containing two valence electrons has now been improved and simplified, and an application made to the case of doubly-ionized oxygen.

J. L. Synge, Sc.D.: The theory of the Schmidt reflecting telescope has been developed by direct Hamiltonian methods.

P. R. Wallace, M.A.: The equations of motion of charged particles have been obtained from the equations of the electromagnetic and gravitational fields in general relativity.

Astronomy, under direction of Professor R. K. Young

General Programme

The major programme of work on the determination of the radial velocities of a selected list of stars in regions 4 x 4 degrees square centered at the Kapteyn areas, begun with the opening of the observatory in 1935, has been completed and the results published. There were 500 stars on this list. The total number of stars whose radial velocities have been determined at the various observatories of the world totals approximately 9000. Considerable progress has also been made on two further lists of stars whose velocities are at present unknown. The one list extends the limits of the regions to an area 6 x 6 degrees square and the other list includes all stars brighter than visual magnitude 6.00 north of declination —10 degrees. In the completion of the original programme and on these further programmes 1200 plates have been secured. The measurement and reduction of these plates for radial velocity has been kept well up to observation so that at present there are less than 100 plates to measure. During the year 1153 measures were made: Mr. Tidy, 782; Miss Northcott, 173; Dr. Heard, 90; Mr. Bunker, 82; Dr. Millman, 13; Dr. Hogg, 13.

J. F. Heard, Ph.D.: Co-operated in the general radial velocity programme and began observation of a number of emission line B type stars to study the intensity and changes in the spectra Observation has also been continued on the binaries H.D. 9312 and 96528 and the spectrum of Gamma Cassiopeiae. The spectrum of *i* Herculis was investigated for supposed radial velocity and spectral variations.

F. S. Hogg, Ph. D.: Co-operated in the general radial velocity programme and continued observation of the binary stars H.D. 34762, 63630, 106677, 172187, 183794, 206155. A number of photographs were obtained of planetary nebulae with a series of colour filters to determine the magnitudes of the central stars, for distance estimates; the colours, for temperatures. Dr. Hogg has continued to act as assistant editor of the Journal of the Royal Astronomical Society of Canada.

Mrs. Helen S. Hogg, Ph.D.: Continued observation of globular star clusters for the study of the variables contained therein. At the Newtonian focus of the 74-inch telescope 103 plates were secured. A general catalogue of all variables known in globular clusters has been prepared and published. This catalogue revealed the fact that a very promising field of work existed in a number of clusters centered around declination —25°. To prosecute this work Mrs. Hogg obtained a grant from the National Academy of Sciences and during May and June of this year at the Tucson Observatory in Arizona obtained 275 photographs of clusters. Examination of these plates in the coming year should add greatly to our knowledge of the variables in the clusters of this part of the sky.

P. M. Millman, Ph.D.: Co-operated in the general radial velocity programme and when opportunity offered continued observation of faint eclipsing binaries. The surface features of Mars were studied to test the relative intensity of the light in the various markings on the planet's surface. Co-operative observational programmes were planned for the *o* Aquarids, Perseids, Orionids, Leonids and Geminids. Poor weather was encountered in the majority of cases. Approximately 1200 meteors were visually recorded at the D.D.O. and co-operating stations. At the Dunlap Observatory six meteors were photographed with direct cameras in a total exposure of 20 hours; no spectra were secured, total exposure

39 hours. At co-operating stations 11 direct photographs were secured in a total exposure time of 122 hours. Data were collected on 25 fireballs.

Department of Biochemistry, under direction of Professor H. Wasteneys

Directed by Professor Wasteneys:

Mr. B. F. Crocker and Dr. Paul Hamilton have been engaged in the elaboration of methods for determining with the necessary accuracy small quantities of deuterium which they propose to use for tracing the progress of ingested protein nitrogen in the animal body. They have succeeded in doing this and they have commenced the investigations rendered possible by this accomplishment.

Dr. H. B. Collier has continued his researches on the synthesis of proteins by papain and pepsin. He has obtained further proof of their synthetic activity and has studied some of the mechanisms involved in the syntheses as well as of the hydrolyses accomplished by these enzymes.

Directed by Professor Marrian:

Mr. E. A. Ryan has developed methods for the isolation of a compound of unknown constitution (compound X) from normal male urine and has determined some of its properties. He has isolated and identified three steroid compounds from this urine; the presence of two of these may help to elucidate steroid metabolism. He is now investigating a more exact method for the isolation of these compounds.

Dr. B. Schachter has succeeded in isolating a new crystalline conjugated compound from pregnant mares' urine. This compound he has shown to be none of the known conjugated oestrogens and he has spent considerable time in an attempt to determine its structure. He has ascertained however that the excretion of the new steroid conjugate in the urine of pregnant mares follows a course similar to that which he had previously determined for a known conjugated oestrogen.

Dr. W. H. Fishman has been engaged in studies of the action of the enzyme *B*-glucuronidase which he has obtained in the form of purified extracts of ox spleen. He has studied conditions for the action of this enzyme on various substrates. He has discovered that by feeding large doses of menthol and borneol to dogs and mice there is a definite increase in the *B*-glucuronidase activity in various tissues of these animals. Since the formation of glucuronides is a well known mechanism for the detoxication of poison in the body, this observation is of importance for the light it may throw on detoxicating mechanisms in general. He has also performed experiments which show that the formation of oestriol glucuronide is influenced by *B*-glucuronidase and that the site of this formation is the sex organs and not the liver.

Dr. A. D. Odell has been engaged in an attempt to study the metabolism and structure of pregnane triol. He obtained a good supply of this substance from the concentrate of the neutral fraction of twenty-five thousand gallons of mares' urine.

Mrs. Edith B. Anderson has completed her investigation of the chemical constitution of equol, an optically active dihydroxyphenol isolated by Marrian and Haslewood in 1932 from the urine of pregnant mares. Mrs. Anderson has identified this compound as 7-hydroxy-3-(4'-hydroxyphenyl) chroman and has succeeded in synthesizing racemic equol methyl ether.

Dr. G. F. Marrian was engaged in the study of the optical activity of compounds he had prepared during his study of equol.

Directed by Professor A. M. Wynne:

Mr. M. Freed has continued his investigation, interrupted two years ago, of the synthesis of glycerides of oleic acid by pancreatic lipase. He has studied certain aspects of the kinetics of the synthetic process, particularly in relation to variations in the concentration of oleic acid and to the activating effects of bile salts.

Miss E. Macpherson has continued the investigation of methods of purifying pancreatic lipase for use in investigations into its synthetic action.

Mr. F. L. Root has been engaged in a study of the growth of *C. diphtheriae* in synthetic and other culture media, in relation to toxin production. His investigations have been greatly facilitated by the kind co-operation and helpful advice of Dr. E. M. Taylor and Dr. P. J. Moloney of the Connaught Laboratories.

Mr. J. Spizizen has been engaged in a study of the energy of activation of the invertase-sucrose system of yeast.

Mr. J. Tuba continued his investigation of factors affecting the formation and properties of yeast phosphatase.

Dr. A. M. Wynne, in co-operation with H. Z. Sable and J. P. Harshman, has recently undertaken an investigation of some of the factors influencing the formation and activity of phosphatase in the intestinal mucosa. It is hoped that the results of the investigation may help to explain the function of the enzyme in its relation to the absorption of fatty acids and of sugars from the intestinal tract. This work is supported by a grant to Mr. Sable, made by the Banting Research Foundation.

Biology, under direction of Professor E. M. Walker

The following summary includes investigations in progress, published or in course of publication, for the year 1938-39:

Vertebrate Anatomy

By Professor W. H. T. Baillie—Bilateral eye movements in vertebrates as related to vision and primitive reaction patterns; the blood circulation through the heart of the frog; metamerism in Amphibians.

Invertebrate Zoology (including entomology)

By Professor E. M. Walker—Abdominal sclerites and musculature of Grylloblatta; faunistic and distributional studies of Canadian Odonata.

Under the direction of Professor E. M. Walker:

Miss Jean C. Burnham—Anatomy of the Potato Aphid, *Myzus persicae.*

C. G. Bucher—Anatomy of *Monodontomerus dentipes,* a chalcid parasite of the pine sawfly *Diprion simile* (completed).

A. R. Graham—Ecology and biological control of the Larch Sawfly (*Lygaeonematus erichsonii*) *and the larch casebearer* (*Haploptilia laricella*).

G. M. Neal—Factors controlling the distribution of pelagic rotifers in British Columbia and Ontario.

H. H. J. Nesbitt—Anatomy of the nervous system of orthopteroid insects (completed).

R. W. Thompson—Influence of temperature, moisture and light upon the Red Spider (*Tetranychus tellarius* L.)

H. B. Wressell—Effect of temperature on egg-laying in the European Corn Borer.

By Dr. F. P. Ide—Gynandromorphs in mayflies (in collaboration with Dr. H. T. Spieth of the City College of New York); distribution of mayflies in the Credit River and Ottawa River (completed); life histories of various species of sawflies of the genus Neodiprion on conifers; census of insects emerging from the forest floor by the method employed in stream work.

Marine Biology

By Professor A. G. Huntsman—Factors determining entrance into, and ascent of, rivers by salmon.

Under the direction of Professor A. G. Huntsman:

P. F. Elson—Factors determining movements of trout into brooks.

C. J. Kerswill—The life history of the quahaug, (*Venus mercenaria*) and the factors influencing its growth and distribution.

H. M. Rogers—The estuary as a biological habitat with particular reference to the life of the smelt (*Osmerus mordax*).

Mr. H. C. White of the staff of the Atlantic Biological Station, St. Andrews, N.B., was given accommodation in the laboratory from January to April for study of the relation of fish-eating birds to the production of salmon smolts and of the factors determining descent of the smolts to the sea.

Vertebrate Embryology

Under the direction of Professor A. F. Coventry:

S. H. Chambers—Mechanism of withdrawal of the umbilical hernia of embryonic mammals and its relation to the final topography of the alimentary canal; differentiation in transplanted limbs in the chick with reference to the localisation of potencies in the limb-bud.

Miss A. M. Ironside—Study of the corpora lutea of *Peromyscus* with special reference to the correlation of the several generations of corpora lutea that are often found in the ovaries of this mouse, with the number, frequency and season of pregnancies.

Animal Bionomics, Mammalogy and Ichthyology

By Professor A. F. Coventry—Continuation of studies of population of small mammals in Ontario. Observations were made during 1938 at Toronto, in Algonquin Park and at Temagami. Analysis of the data now available is in progress.

By Professor J. R. Dymond—Taxonomy and distribution of the fishes of the Ottawa region and of the Northwest Territories of Canada.

Under the direction of Professor J. R. Dymond:

W. A. Kennedy—Whitefish of Algonquin Park.

W. R. Martin—Studies on the Arctic Char of northern Canada (completed).

D. G. Wilder—Relationship of land-locked or lake salmon to migratory Atlantic salmon.

Genetics and Human Biology

By Professor J. W. MacArthur—Cytogenetics of tomatoes; studies in size inheritance and selection of tomatoes; growth in weight and stature of twins and multiple birth sets.

By Professor J. W. MacArthur with Dr. W. E. Castle (University of California)—Linkage of the gene controlling hereditary jaundice in rats.

By Professor J. W. MacArthur with Dr. A. N. Langford—Development at Vineland of a commercial greenhouse tomato immune to brown mould.

Under the direction of Professor J. W. MacArthur:

L. Butler—Analysis of fruit size inheritance in the tomato (completed).

Miss V. Engelbert—Reproduction and cytogenetics of species of blue grass (Poa).

Mrs. F. H. Miller—Comparison of human hand and foot prints.

Mrs. M. Richardson—Intelligence quotients in social problem children and their sibs and parents (completed).

A. Wilkes—Causes of variations of sex ratio in parasitic Hymenoptera (*Microplectron*).

By Professor Norma Ford—Palmar patterns of the kindred of mongoloid patients (in co-operation with several Toronto and New York hospitals); determination of the extent of plantar syndactylism among Ontario families; study of two pairs of twins with pyloric stenosis; continuation of the study of the physical characters and X-ray photographs of the two sets of quintuplets loaned by the Royal College of Surgeons; investigation of the blood vascular system in the placentae of multiple births (in co-operation with four Toronto hospitals).

Under the direction of Professor Norma Ford:

Miss G. Workman—Palmar patterns in mongoloids and the occurrence of similar patterns in normal individuals (completed).

Comparative Neurology

By Professor E. H. Craigie—vascularity of the brain of *Ambystoma;* vascular connections of the hypophysis in the frog (completed); vascularity of the hypothalamus of the rat; blood vessels of the brain in the kangaroo and functional significance of the form of the capillary loops; preparation of material for the study of vascularisation of the brain in *Necturus, Alligator,* lizards, snakes and turtles; the cerebral cortex of *Rhea;* the cerebral cortex of *Tinamidae.*

Limnology (Ontario Fisheries Research Laboratory, directed by Professor W. J. K. Harkness)

Dr. F. E. J. Fry—The influence of carbon dioxide in the utilisation of oxygen by various species of fish.

Dr. F. E. J. Fry, assisted by W. A. Kennedy, J. S. Hart and J. R. Brett—Controlling factors in the movements, numbers and size of lake trout in the lakes of Algonquin Park.

By Professor W. J. K. Harkness—Ecology of trout lakes and streams in southern Ontario.

Dr. F. P. Ide, assisted by W. M. Sprules—Quantitative study of the insect fauna of the stream bottom in Costello Lake, Algonquin Park.

Dr. R. R. Langford and W. R. Martin, assisted by J. Spizizen—Movements, growth and feeding habits of yellow perch in Algonquin Park lakes.

R. B. Miller—Ecology of the Chironomidae of Costello Lake, Algonquin Park.

V. E. F. Solman—Distribution of zooplankton in Costello Creek, Algonquin Park.

Dr. D. A. Maclulich of the Department of Lands and Fisheries is investigating the distribution of parasites of trout in the Park. This investigation is being conducted in co-operation with the Ontario Fisheries Research Laboratory.

Dr. Charles Elton of the Bureau of Animal Population, Oxford University, visited the Laboratory during September.

Experimental Biology

By Professor K. C. Fisher—Effect of temperature on the critical oxygen tension of embryonic salmon; development of a spectrophotographic method for following the oxidation and reduction of cytochrome in intact yeast cells; setting up of the Warburg method for the observation of respiration in cells and organisms. (By using these techniques a more saisfactory interpretation has been evolved of such variations in the effect of cyanide on cell metabolism as occur upon the fertilisation of certain egg cells and which accompany diapause in insects).

By Professor K. C. Fisher in collaboration with Mr. Herman von Dach of the Ohio State University—Respiratory metabolism of the saprophytic protozoon, *Astasia klebsii.*

Under the direction of Professor K. C. Fisher:

C. W. J. Armstrong—Quantitative investigation of the effects of cyanide and azide on the heart rate of embryonic fish (completed).

K. Graham—Chemistry of respiration through the various developmental stages of the Codling moth.

Miss Rosemary Martin—A comparative study of the development of the external respiration in various organisms.

W. B. Stallworthy—Ecological significance of environmental factors such as temperature, humity and light, for land isopods (Oniscoidea).

Botany, under direction of Professor R. B. Thomson

I. Phanerogamic Botany and Genetics

Anatomy and Experimental Morphology

Bannan, M. W.—A study of the variations in wood structure in the native conifers and determination of the relationships between such variations and the ecological conditions under which the trees grow.

The wood structure of *Thuja* and *Libocedrus*.

Haldenby, C. N.—The origin and distribution of horizontal resin canals in the conifers.

Moore, Miss Ruth H.—The structure of the cone of *Equisetum*.

Thomson, R. B.—The comparative anatomy of the male and female cone scales of the conifers.

A mucilaginous layer in the pollen grain of the conifers and its connection with "wing" formation.

Thomson, R. B. & Hull, Miss Kathleen L.—The organisation of the sporeling of *Asmunda* and of the lower vascular plants.

Wright, Miss J. Gertrude—The nature of the pit-closing membrane in the higher gymnosperms.

Taxonomy

The total number of specimens identified, mounted, stamped, recorded and actually distributed in the herbarium during the year was 9,144. The total number of sheets in the Herbarium is now 47,701.

Krotkov, P.—Plant Survey work in the Bruce Peninsula; revision of the herbarium material; special study of Ontario willows and golden rods.

Taylor, T. M. C.—A critical study of the genus *Woodsia*.

Plant survey work in the Schreiber and Michipicoten areas, in co-operation with the National Museum of Canada. Reports dealing with the plants of these two areas are in course of preparation.

Genetics

Wright, Miss J. Gertrude—A study of abnormal types of *Linaria vulgaris* and their heredity.

II. Mycology, Forest Pathology and Cryptogamic Botany

(Under direction of Professor H. S. Jackson)

Cain, R. F.—A taxonomic study of Ontario Sordariaceae and related Sphaeriales.

Jackson, H. S.—The mycological flora of the Toronto region and of the Temagami Forest Reserve.

A taxonomic study of Thelephoraceae in Canada.

Lehmann, A. J. V.—A study of the nuclear phenomena of the germination of teliospores of certain species of *Lepto-Puccinia*.

Macrae, Miss Ruth—A study of phosphorescence in *Panus stipticus*.

Skolko, A. J.—A cultural study of *Aleurodiscus*.

There have been 3,808 specimens added to the Mycological herbarium this year and the collection now totals 67,292.

During the year the accumulated collections of Bryophytes have been assembled and arranged. The herbarium of Bryophytes (Liverworts and Mosses) now numbers 7,250.

III. Plant Ecology and Seed Studies

(Under direction of Professor H. B. Sifton)

Structural Ecology

Facey, Miss V.—Abscission of leaves in deciduous plants and evergreens.

Sifton, H. B.—Leaf development in Labrador Tea.

Watson, W. R.—Developmental studies of leaf structure as related to light.

Seed Studies

Hamly, D. H.—New apparatus for the investigation of light relationships in seeds.
Stereo-photomicrography of seeds.

McGugan, Miss J.—Identification of seeds and seedlings of the Genus *Brassica*.

Sifton, H. B.—Effects of temperature, light, water and oxygen supply on the germination of *Typha* seeds.

IV. Plant Physiology

(Under direction of Professor G. H. Duff)

Clendenning, K. A.—The metabolism of the tomato fruit in relation to its storage. Physiological and biochemical studies of the fruit during growth and storage have been continued in collaboration with the Ontario Agricultural College. Special acknowledgment is made of the financial support and facilities provided by the College for work during the summer.

Duff, G. H., & Forward, Miss Dorothy F.—The sugars of the wheat leaf, their concentration gradients and relation to cell heterogeneity in the leaf.
The rate of inversion of non-reducing reserve sugar as a determinant of metabolic activity.
The effect of temperature and oxygen tension upon the respiration of stored Ontario apples.

Ward, G. H.—Carbohydrate and protein metabolism of the tobacco leaf during growth and curing.

V. Plant Pathology

(Under direction of Professor D. L. Bailey)

Except where otherwise stated, these researches are being carried on in co-operation with the Vineland Horticultural Experiment Station.

Bailey, D. L.—Strawberry root-rot.
Disease of ornamentals.
(*a*) Cytospora disease of Koster's blue spruce.
(*b*) Suspected virus diseases of lilies and gladiolus.

Langford, A. N.—The development of a suitable greenhouse tomato resistant to *Cladosporium fulvum*.

Mead, H. M.—A co-operative study of some seed-borne disease of barley. In co-operation with the Dominion Plant Pathological Laboratory, St. Catharines.

Richardson, L. T.—Phytophthora stem-girdle of tomato.

Woolliams, G. E.—Fusarium wilt of Zinnia. In co-operation with the Dominion Plant Pathological Laboratory, Summerland, B.C.

VI. Cytology

(Under direction of Dr. L. C. Coleman)

Coleman, L. C.—The cytology of *Gasteria* and *Gasteria* X *Aloe* hybrids.
The cytology of *Veltheimia viridifolia*.

Gopalayengar, A. R.—The Cytology of *Scilla* species.

Hillary, B. B.—The Feulgen nucleal stain and its uses in Cytology (completed as Doctor's thesis).

Further improvements in rapid cytological technique (in press.)

Hillary, B. B., & Coleman, L. C.—The Investigation of Chromosome Structure with the aid of the Feulgen nucleal stain.

Chemistry, under direction of Professor F. B. Kenrick

Forty-two students were engaged in research work during last winter under the direction of members of the staff of the department of chemistry.

The degree of Master of Arts was conferred on 9 of these, viz· Messrs. R. W. Allgood, H. D. Bett, A W. Birnie, W. H. Brown, D. M. Burpee, I. G Goddard, W. J. Hornibrook, L. T. Munn, W. A. Tidridge, also on Mr. A. M. Birks who worked under Professor Moloney in the Department of Hygiene.

The degree of Master of Science in Agriculture was conferred on Messrs. D. C. Hill, R. H. McNeill and I. R. Motzok who worked in the Ontario Agricultural College under the direction of Professor Ruhnke.

The degree of Doctor of Philosophy was conferred on Mr. M. Cohen whose research was done under Professor Kenrick and on Messrs. W. A. James, D. J. LeRoy and S. Shankman who worked under the direction of Professor Gordon.

An 1851 Exhibition Scholarship was awarded last summer to Dr. H. J. Bernstein, for research carried out under Professor Martin.

The following were the subjects of research:

R. W. Allgood, B.A.—The temperature coefficients of the transference numbers of potassium chloride.

G. E. Anderson—Adsorption of alcohol vapour on Pyrex glass.

E. B. Backman—Derivatives of glycolic aldehyde.

Prof. E. E. F. T. Baer—d- and l-glyceric aldehyde; d- and l-acetone glycerol and derivatives; oxidation by lead tetra-acetate.

Prof. F. E. Beamish—Specific reagents for the metals of the platinum group and for gold.

H. D. Bett, B.A.—The photochemical transformation of trans- to cis-di-paratoluyl ethylene.

A. W. Birnie, B.Sc.—Adsorption of water vapour on powdered fused silica.

J. C. Bond—Structure of hydrocellulose.

W. H. Brown, B.A.—The mercuration of styryl cyanide.

D. M. Burpee, B.A.—The extraction of gold from cyanide solutions.

Prof. J. T. Burt-Gerrans—Electrolysis with alternating current.

A. A. Cartenuto—Friedel and Crafts reaction.

M. Cohen, M.A.—Adsorption of water vapour on plane fused quartz surfaces.

I. B. Cushing—Preparation of optically active glycerides and *B*-glycerophosphates.

D. C. Downing, B.A.—Studies on organo-metallic compounds.

Miss E. V. Eastcott, Ph.D.—See Dr. Rae.

Prof. J. B. Ferguson—Equilibria in systems containing volatile components.

L. D. Finlayson, M.A.—The solubility of carbon dioxide in binary liquids.

Prof. H. O. L. Fischer—d- and l-glyceric aldehyde; d- and l-acetone glycerol, etc.

I. G. Goddard, B.A.—A study of sassafras lignin.

Prof. A. R. Gordon—The theory of solutions.

Dr. J. M. Grosheintz—Derivatives of d-glyceric acid; oxidation by lead tetra-acetate.

H. E. Gunning—Conductance of electrolytes by direct current method.

E. A. Hollingshead, M.A.—Differential diffusion constants of electrolytes.

W. J. Hornibrook, B.Sc.—The activity coefficient of potassium chloride in aqueous solution.
W. A. James, M.A.—Differential diffusion constants for hydrochloric acid.
A. A. Janis, M.A.—Sodium chloride solutions as isopiestic standards.
Prof. F. B. Kenrick—Mechanism of sour tasting.
Adsorption of water vapour on solids.
D. J. LeRoy, M.A.—Transference numbers of electrolytes in aqueous solution.
Prof. F. R. Lorriman—Reduction products of 9-nitro-anthracene.
W. A. E. McBryde—Sour taste of acids.
J. W. McCutcheon, M.A.—The geoisomerism of unsaturated acids.
Prof. W. H. Martin—Raman spectra of petroleum hydrocarbons.
J. C. Morgan, M.A.—Diffusion in copper sulphate solutions.
L. T. Munn, B.A.—Vapour pressure and vapour densities.
J. L. Myers, B.Sc.—The racemidzation of d-lactic acid.
W. M. Orchard, B.Sc.—The mercuration of furfuryl alcohol.
W. A. Patterson, M.A.—The temperature coefficient of diffusion.
Dr. J. J. Rae (with Miss Eastcott)—Phosphoric acid and metabolism.
H. H. Richmond—Synthesis of coniferyl alcohol.
W. J. Rogers, B.Sc.—Fire assay of ores for ruthenium.
J. Seath, M.A.—Spectographic analysis for the platinum group and for gold.
S. Shankman, M.A.—The vapour tensions of sulphuric acid solutions.
H. Sheffer—An isopiestic study of sulphuric acid.
E. Y. Spencer, M.Sc.—The chemistry of the lactones.
M. H. Thomas, M.A.—Kinetics of the cis-trans isomerization of butene-2.
W. A. Tidridge, B.A.—The Raman effect in amino acids and their derivatives.
Miss M. F. H. Tung, B.Sc.—The Williamson ether synthesis with ethylene chlorhydrin and phenols.
W. M. Ward—Friedel and Crafts reaction, 5-hydroxy acenaphthene.
F. G. C. Wayman—Raman spectra of petroleum hydrocarbons.
M. Wayman, M.A.—Isolation and structure of bios IIB.
Dr. F. Wetmore—Rates of reaction; thixotropy.
G. E. Willey, M.A.—Distribution of potential in the carbon arc.
J. E. Wobus—Friedel and Crafts reaction.
Miss C. M. Woolsey, M.A.—Studies on organo-metallic compounds.
Prof. G. F. Wright—Stereochemical problems; organometallic chemistry; bios; lignin.

Food Chemistry, under direction of Professor C. C. Benson

During this session there has been in progress a small amount of research work, but none of it brought to completion.

There has been in progress a study of the nature of the proteins in lentils, and methods of estimating these proteins and separating them. There has been also further work on baking powders, and some study of various methods of estimating the surface area of the body. This last work has been carried out with a number of young women as subjects, and particularly in connection with work suggested some years ago by Dr. F. G. Benedict.

We have no candidate ready this year for an advanced degree.

Geology and Palaeontology, under direction of Professor E. S. Moore

Field investigations in geology:
Professor E. S. Moore:—Geology of mines and other features of the Union of South Africa and Southern and Northern Rhodesia.

Professor A. MacLean:—Study of the geology of an additional section of the eastern portion of the Kirkland Lake area, for the Ontario Department of Mines.

Professor L. S. Russell:—Study and collection of fossil fish in Gaspe, Quebec.

Dr. J. Satterly:—Geology of the Windigo Lake Area, Kenora District, Ontario, for the Ontario Department of Mines.

Dr. V. J. Okulitch:—Geological studies and collecting in British Columbia and northwestern States.

V. K. Prest, B.Sc., M.Sc., (Man.):—Geology of the Miminiska-Keezhik Lake Area, for the Ontario Department of Mines.

M. W. Bartley, B.Sc., (Man.), M.A.:—Geology of the iron deposits under Steeprock Lake, Ontario, for the Ontario Department of Mines.

Laboratory investigations:

Professor G. B. Langford with W. L. McDonald:—Structural contouring as an aid in locating ore deposits.

Professor G. B. Langford:—Preliminary investigation of rock bursts in mines of Ontario, for Ontario Department of Mines.

Professor L. S. Russell:—Osteology of an armoured dinosaur from the Cretaceous of Alberta.

Description of a skull of a Titanothere from Saskatchewan.

Professor Madeline Fritz:—Description of the Devonian Bryozoa of Gaspe.

Comparative study of the Silurian corals *Multisolenia tortuosa* and *Desmidopora alveolaris.*

Dr. V. J. Okulitch:—Fossils of the Black River formations of the Coboconk section.

A new species of *Lichenaria* and evolutionary trends in Ordovician corals.

Under the direction of the staff in Geology:

C. E. Michener, B.A., M.A. (Cornell):—Ores of the Sudbury Nickel field.

V. K. Prest, M.Sc. (Man.):—Continuation of the study of wall-rock alteration in the Porcupine area.

M. W. Bartley, B.A. (Man.), M.A.:—Origin of the hematite deposits under Steeprock lake.

G. P. Crombie, B.Sc. (Man.), and D. Stadelman, B.A.:—Carbonatization in the Larder Lake Area, Ontario.

M. C. Gardiner, B.A.:—The gold deposits of the Atikokan Area, Ontario.

R. M. Sternberg, B.A. (Queen's):—Aquatic vertebrates from the Canadian Cretaceous.

H. S. Armstrong, B.A.:—The genus *Stigmatella.*

Miss M. C. Turner, B.A.(Alta.):—Ostracodas from the oil wells of southwestern Ontario.

J. O. Gorman, B.A.Sc.:—The ore deposits at Toburn mine, Ontario.

Household Science, under direction of Professor J. B. Brodie

During the session of 1938-39 there were three graduate students in this department but only two were engaged in research. One was granted her M.A. degree.

Miss F. E. Lamon, working under the direction of Miss Roberts, completed her work on Canadian cottons with respect to their suitability for household use as determined by physical and chemical analysis. Miss Lamon has had excellent co-operation with the Ontario Research Foundation in her work and has obtained both interesting and useful results from her study of Canadian sheetings. Since she has the appointment of research assistant for next year she plans to undertake the study of another type of cotton textile after which the results will be published.

Miss Jean Young has begun experimental work on her research, "Variation in the sense of taste and flavour" and has made good progress in her problem. She expects to continue with this study during the coming year.

Hygiene and Preventive Medicine, under direction of Professor J. G. FitzGerald

Mr. R. J. Wilson has again held the appointment of fellow in this department. He has continued his studies in staphylococcus. In co-operation with Dr. James Roberts, Hamilton, laboratory studies were carried out in connection with epidemics of staphylococcus food poisoning. These studies showed the relation of carriers to the epidemics. Dr. M. F. McGavin has assisted Dr. Donald Fraser in research in the field of diphtheria immunity. Dr. F. O. Wishart is pursuing research on dysentery.

Dr. Ella Kuitunen, who is working under a grant from the Banting Foundation, has conducted a comprehensive survey of intestinal parasites of children with the kind co-operation of Dr. Alan Brown. The incidence of enterobiasis was surprisingly high, namely approximately 50 per cent. A survey of the incidence of trichinosis in adults and children is in progress with the co-operation of Dr. I. H. Erb and Dr. G. L. Duff. The infection has been found in a new born child and in two adults. Approximately one hundred diaphragms have been examined by the direct and by the Baermann digestion methods.

Research studies have been actively carried on by members of the department who are also members of the staff of the Connaught Laboratories. A comprehensive report of these will be found in the report of the Director of the Connaught Laboratories.

Medicine, under direction of Professor Duncan Graham

Satisfactory progress has been made in the investigation of a number of clinical problems. Dr. Cleghorn, in association with Dr. J. L. A. Fowler, Alexander McPhedran Research Fellow, and Mr. J. S. Wenzel, has continued his investigations on adrenal glands. The first report of their work on the adrenal cortex in relationship to the functions of the sympathetic nervous system is now in press. Through the courtesy of the Ciba Company of Basle, it has been possible to test the synthetic adrenal cortical hormone, desoxycorticosterone, in the treatment of patients with Addison's disease, to study its effects on adrenalectomized animals and to compare the results with those obtained by the use of cortical extract. To date nine patients have been treated effectively with the synthetic hormone. All have shown a marked improvement in their sense of well-being and in increase of blood pressure and serum sodium. Appetites improved and added salt in the diet was well tolerated. As four of these patients had been under treatment with cortical extract for periods of one to four years, an attempt was made to determine the equivalent maintenance dosage of synthetic hormone. It would appear that 1.0 cc. or 5 mgm. of the synthetic hormone is of equal, or greater, potency than 5 cc. of the cortical extract used in the earlier treatment of these patients. Whether this synthetic hormone replaces completely the deficiency in function of the adrenal cortex caused by disease can only be determined by more prolonged observation. The claim has been made by Verzer that iodoacetic acid acts on the same chemical mechanism in the body as that controlled by the adrenal cortical hormone. In the course of an investigation to test this hypothesis, it has been found that iodoacetic acid produces a profound anaemia in dogs. This work is being continued.

A major problem for those using high voltage X-ray therapy in the treatment of cancer has been the treatment of radiation sickness which may develop in patients receiving this form of therapy. A year ago Spies reported favourable effects from nicotinic acid in the treatment of radiation sickness. With the consent of Dr. Richards, Dr. J. W. Graham undertook an investigation of the cause of radiation sickness and studied the effect of nicotinic acid in its treatment.

Dr. Graham has found that approximately 27 per cent of patients receiving high voltage X-ray treatment develop troublesome nausea and vomiting and that in 70 cases of nausea and vomiting the administration of nicotinic acid resulted in relief of these symptoms in 75 per cent. He found too that the drug was easily taken and had no after effect. A full report of this work will be published soon.

In association with Dr. Harold Box of the Faculty of Dentistry, Dr. Graham has undertaken a study of disturbances in oral secretion and their possible relation to dental disease. Definite progress is being made.

The effect of certain gold salts in the treatment of rheumatoid arthritis is being studied by Dr. Fletcher and Dr. J. W. Graham.

Dr. Farquharson and Dr. Hyland have published a report on eight cases of anorexia nervosa in which they discuss the nature of the disorder, its clinical manifestations and the treatment of the condition. In this important and timely contribution they have presented evidence to show that this syndrome, first described by Gull, is a metabolic disturbance of psychological origin and not a primary deficiency or dysfunction of an endocrine gland. Effective treatment is dependent upon the recognition of the nature of the disorder.

Dr. Hyland, working in co-operation with the Department of Medical Research, has continued his study on the electroencephalographic changes occurring in patients suffering from migrain and epilepsy. By this method of investigation it has been found that, in patients suffering from epilepsy, definite disturbances occur in the brain prior to the onset of an epileptic seizure. A preliminary report of this work is now in press.

In the past year, Dr. Gordon Bates and his Committee on Artificial Respiration of the Health League of Canada have published a valuable report on the benefits of prolonged artificial respiration in the treatment of cases of drowning, asphyxiation and electric shock. The interest aroused by the publication of this and other reports on the same problem should result in the saving of many lives from drowning.

One of the most important advances in medicine in the past year was the discovery of a new chemical compound called "M. & B. 693", "Dagenan" or "Sulphapyridine", which was found by Whitby to be effective in the treatment of experimental pneumococcal infections in mice and by Evans and Gaisford in the treatment of pneumococcal pneumonia in man. Through the courtesy of Messrs. May and Baker, we received a supply of this new drug for clinical trial and were the first in Canada to use this drug in the treatment of pneumonia. Evans and Gaisford reported a mortality rate in pneumococcal pneumonia of 8 per cent in their M. & B. 693 treated group of cases as compared with 27 per cent in cases receiving non-specific treatment. We have been able to confirm their findings and show that the drug is effective for all types of pneumococcal pneumonia. The results in the treatment of fifty cases of pneumococcal pneumonia have been published.

Mineralogy and Petrography, under direction of Professor A. L. Parsons

Professor A. L. Parsons has completed during the year the study of Magnesiochromite from the Caribou pit, Coleraine Township, Quebec.

Professor Ellis Thomson and Mr. J. S. Allen have completed a study on Nickeliferous Pyrite from the Denison Mine, Sudbury District, Ontario.

During the summer of 1938 Professor M. A. Peacock devoted some weeks to editorial work at Harvard University on the new *System of Mineralogy* of Dana. During the past academic year in our own laboratories Professor Peacock has been engaged in mineralogical studies leading to definite descriptions of: Dyscrasite from Andreasberg, Harz, in relation to the new mineral Goldschmidtine from the same locality; Maucherite from Sudbury and Thuringia, and Temiskamite from Gowganda, Ontario (with Dr. G. A. Harcourt, International Nickel

Company); Rammelsbergite from Ontario (with Mr. C. E. Michener, International Nickel Company, assisted by Professor F. E. Beamish, department of chemistry); Calcium diborate hexahydrate from a mortar of Portland cement and Colemanite (with Professor V. A. Vigfusson, University of Saskatchewan).

Dr. V. Ben Meen has completed a study of the San Luzia de Goyez meteorite from Brazil and the study of some newly discovered Vesuvianite from Great Slave Lake, N.W.T.

Mr. L. G. Berry is occupied in structural studies of mineral sulpho-salts, an early division of the *System of Mineralogy* in which there are many uncertainties. He has completed a study on Cosalite from Canada and Sweden and has accumulated many new observations on materials named Jamesonite, Galenobismutite, Boulangerite, Heteromorphite, Dufrenoysite, Lillianite and Seleniferous Chiviatite.

Mr. J. S. Allen was engaged in a study of carbonatisation of rocks at Red Lake, Ontario.

X-ray laboratory. The appartus for the study of crystal structures was completed at the end of November, 1938; since then it has given continuous satisfactory service, the records showing 137 X-ray photographs representing nearly 2000 running hours. An account of the design and uses of the apparatus in mineralogy is in preparation.

Apart from photographs taken for purposes of calibration or identification the work in the X-ray laboratory has been directed mainly toward obtaining new or improved structural data on minerals treated in the first volume of the new *System of Mineralogy* of Dana, now in preparation. Some of these minerals are typical Canadian ore minerals, and thus the resources of the Royal Ontario Museum of Mineralogy together with the facilities for exact X-ray work have led to valuable results.

The Walker Mineralogical Club, which was mentioned in the report for last year, has grown so that the membership now consists of three honorary members, two hundred and twenty-six ordinary members, and sixteen student members. The Club pays a portion of the cost of publication of "Contributions to Canadian Mineralogy" which has increased in size by the collaboration of our colleagues in other institutions who are members of the Club.

The contents of "Contributions to Canadian Mineralogy" for 1939 which is now in press and will probably be issued in October follows:

Berry, L. G. (University of Toronto). Studies of Mineral Sulpho-salts: I—Cosalite from Canada and Sweden.

Ellsworth, H. V. (Geological Survey of Canada). Transparent Green Pyroaurite from Ontario.

Faessler, C. (Laval University). The Stock of "Suzorite" in Suzor Township, P.Q.

Hawley, J. E. (Queen's University). The Association of Gold, Tungsten and Tin at Outpost Islands, Great Slave Lake.

Meen, V. B. (University of Toronto). Vesuvianite from Great Slave Lake Region, Canada.

Parsons, A. L. (University of Toronto). The Royal Ontario Museum of Mineralogy.
Magnesiochromite from Caribou Pit, Coleraine Township, Quebec.

Peacock, M. A. (University of Toronto) and Vigfusson, V. A. (University of Saskatchewan). Calcium Diborate Hexahydrate from a Mortar of Portland Cement and Colemanite.

Peacock, M. A. and Michener, C. E. (International Nickel Company). On Rammelsbergite from Ontario.

Peacock, M. A. X-rays in Mineralogy: Design of a Serviceable Apparatus.

Rutherford, R. L. (University of Alberta). Anthraxolite from South Nahanni River, Northwest Territories.

Stevenson, J. S. (B.C. Department of Mines). Copper-Tourmaline-Hematite Veins at Highland Valley, B.C.

Thomson, Jas. E. (Ontario Department of Mines). Vesicular Carbonaceous Sediments in Lake of the Woods Region.

Thomson, Ellis (University of Toronto) and Allen, J. S. (University of Toronto). Nickeliferous Pyrite from the Denison Mine, Sudbury District, Ontario.

Warren, H. V. (University of British Columbia). An Occurrence of Cosalite in British Columbia.

Paediatrics, under direction of Professor Alan Brown

The staff of the Department of Paediatrics, University of Toronto, has been actively engaged in studies on the prevention and cure of the diseased conditions encountered during infancy and childhood. The cure of disease is naturally much more spectacular than the prevention, yet today everyone recognises that of the two, prevention is the more important. Accordingly, a great deal of the activity of the department is directed towards the prevention of disease.

With the exception of diseases such as syphillis and malaria, no chemical means had been found for combatting disease until about two years ago. At that time it was discovered that the chemical substance sulphanilamide had a striking effect in the treatment of patients infected with streptococcus, meningococcus and gonococcus. The value of this chemical has been strikingly shown in this department in the treatment of streptococcic meningitis, which formerly was fatal in 100% of the cases, while at the present time 50 to 60 per cent of the patients are recovering. Excellent results have also been obtained in the treatment of erysipelas and streptococcic infections of the throat. We have also attempted to evaluate the effect of sulfapyridine in the treatment of pneumococcal infections. No deaths have occurred in cases of uncomplicated lobar pneumonia in children over 2 years of age treated with sulfapyridine. However, our mortality in this age group treated without either sulfapyridine or serum has been only 2 or 3 per cent, so it is hard to draw conclusions. Of value in demonstrating the antipneumococcal effect of sulfapyridine has been the recovery through the use of sulfapyridine of 2 out of 5 cases of pneumococcic meningitis a disease in which over the previous 10 years the mortality has been 100 per cent.

In cooperation with the Banting department of medical research, the use of electro-encephalography has been investigated in children presenting behaviour problems or suffering from convulsive disorders. Encephalograms have proven of definite value in distinguishing between convulsions and functional attacks. The value of Dilantin in the treatment of epilepsy has been studied with the finding that this drug while of value in controlling grand mal attacks is of little value in petit mal. The sequelae of birth injuries have been investigated, with the finding that a great number of these infants have permanent injuries in the nature of paralysis, convulsions or mental retardation.

Valuable information has been obtained on the requirements of vitamin C during pregnancy and early childhood. During the course of these studies it was necessary to develop an accurate method for the determination of vitamin C. Fortunately this has been accomplished and results obtained which indicate that during the period of pregnancy the mother requires large amounts of vitamin C. In regard to the nursing infant, it was found that it was essential for the mother to secure a proper amount, otherwise the amount present in the milk, and consequently in the infant's body, was below the optimal level. Vitamin C should be administered to the infant within the first month of life. Formerly it was not considered necessary until the infant was four or five months of age. In the past, attempts have been made by various observers to use single estimations of the vitamin C content of the blood as a means of diagnosing acute and latent scurvy. We have found that single estimations of vitamin C in the blood are not a measure of the state of the vitamin C metabolism of the body as a whole. No measurable amounts of vitamin C have been found in the blood in such widely varying conditions as advancing scurvy, healing scurvy and infants showing no clinical evidence at all of scurvy. We are now working on vitamin C tolerance tests in infancy and childhood, which we hope will be valuable.

In cooperation with the department of obstetrics, University of Toronto. the dietetic department of the Toronto General Hospital, and the Visiting Homemakers' Association, studies are being made on the effect of diet on the pregnant woman, the infant, and the woman's milk. This work includes the keeping of individual records of food consumption, the estimation of haemoglobin, vitamin C, and phosphatase in the mother's blood, before and after delivery, chemical and vitamin measurements on the infant's blood, and vitamin measurements on the mother's milk. The dietary survey has shown that a considerable number of prenatal patients are lacking in some of the essential food substances. The chemical studies on the blood of the mother and of the child, and the mother's milk reflect these deficiencies. The deficiencies can be remedied in some cases by education concerning the diet and in other cases by supplementing the food supply.

In conjunction with the engineering department of the Canadian General Electric Company and the General Electric Company of Schenectady, studies are being conducted on air-contamination and air-sterilization. One of the important problems to be solved in connection with the care of patients in hospitals is the prevention of air-borne infection; that is, infection carried by the air from one patient to another. It has been found that the use of ultraviolet light will kill from 92 to 98 per cent of bacteria artificially introduced into an experimental cubicle. Barriers of ultraviolet light are very effective in preventing the spread of artificially introduced bacteria from cubicle to cubicle in an experimental room, even though 50 per cent of the air in the room is being recirculated.

The biological estimation of vitamins entails the expenditure of a great deal of time and much expense in comparison with chemical methods. Our laboratories are devoting a good deal of time to the perfecting of these chemical methods and their adaptation to vitamin measurements in the well and ailing child, and in Canadian foods.

Studies are being continued on heart disease, diabetes, nephritis, and other nutritional and infectious diseases in infancy and childhood.

During the past year the workers in this department have taken an active part in disseminating the wealth of information which has been obtained in recent years on the importance of proper nutrition to health. The benefits of proven scientific knowledge on this subject cannot be obtained unless active steps are taken to have it used in a practical manner by the nation.

Pathological Chemistry, under direction of Professor Hunter

The work on kidney function in experimental nephrosis has been continued by Drs. Nicholson, Urquhart and Selby. Drs. Urquhart and Selby carried out an extensive study of the excretion of various electrolytes by the nephrotic kidney. Dr. Nicholson with the assistance of Drs. Urquhart and Selby has devised a method of cross circulation whereby various degrees and types of unilateral kidney damage may be produced more readily than by the method originally used. Additional evidence was obtained supporting the view that the nitrogen retention in degenerative lesions of proximal convoluted tubules is due to back diffusion.

Dr. Nicholson has modified the specific method for the estimation of glucose by the use of Proteus vulgaris so that it may be carried out without the use of the angle centrifuge.

In continuation of work already reported on the specificity of arginase Dr. Woodward has obtained evidence which seems to settle in the affirmative the debated question, whether the enzyme attacks argininic acid. The kinetics of the reaction has been studied, and an attempt is being made to isolate and identify its products.

Mr. Gornall has succeeded in preparing considerable quantities of the previously unknown optically active form of citrulline. He is now engaged in studying the behaviour of this material in the urea cycle of the liver.

Mr. Gornall has also made additional observations upon the behaviour of carbamido-acids towards nitrous acid.

A method is being sought for the preparation of the unsaturated uroeanic acid (hitherto accessible only with difficulty) from histidine. As a first step it has been shown that the analogous conversion of phenylalanine into cinnanic acid may be accomplished by chemical means with a yield of 50 per cent. Whether the procedure successful in this instance will be similarly efficacious with histidine, remains to be ascertained.

An attempt is being made to develop a system wherein all the usual procedures of volumetric micro-analysis may be carried out with the use of no more than two standard solutions. The attempt gives promise of being successful, but the plan has not yet been submitted to a sufficiently comprehensive test.

Minor projects under way include a study (with a view to their improvement or simplification) of certain tests employed in the qualitative examination of urine, in particular of the tests for urobilin, fructose and lactose.

Pathological and Bacteriology, under direction of Professor W. Boyd

Dr. G. Lyman Duff and Dr. Desmond Magner have continued their experiments on the effect of tyramine injections upon various animal species. They have succeeded in producing in rabbits a type of arteriolar necrosis in brain, heart and kidneys, very similar to that encountered in cases of malignant hypertension in man. These lesions, however, are not produced with regularity, and further experiments have been undertaken in an attempt to discover what factors determine the development of these vascular changes. Dr. H. Hayward studied serial sections of the region of the vomerosphenoidal articulation from a number of routine autopsy cases in an attempt to determine the frequency of occurrence of the so-called pharyngeal pituitary. This study was unfortunately interrupted by illness. Dr. F. P. Dewar has made a histological study of the lungs from autopsy cases in which trauma contributed to death, with a view to determining the frequency of fat embolism unattended by clinical signs of this disease. Fat embolism of minor proportions was found in a large percentage of such cases, while intravascular fat droplets were virtually absent from the lungs of control cases. Cases of exceptional interest encountered among the routine autopsies have been given special study by various members of the staff with a view to ultimate publication. Dr. A. J. Blanchard has studied and prepared a report of a fatal case of Weil's disease, the first encountered in this department since 1925. Dr. A. W. Bagnall in collaboration with Dr. Duff has made a complete pathological study of an extraordinary case of polyarteritis nodosa associated with cystic disease of the lungs, a report of which will be published shortly. Dr. Bagnall has also collaborated with Dr. J. C. Richardson of the department of medicine in the report of a case of angioma arteriale of the cerebellum.

In the division of bacteriology a programme has been developed under Dr. P. H. Greey's direction and in cooperation with the department of medical research for an extensive investigation of chemotherapeutic agents. A number of new drugs prepared in the department of medical research have been studied by in vitro and in vivo methods and these have been compared with sulphanilamide and dagenan. A systematic search for compounds to be used against the staphylococcus and the tubercle bacillus is well started and will be continued for a number of years. Particular attention was given to the study of dagenan in experimental pneumococcus infection by Dr. Greey and Dr. D. B. MacLaren, and, in association with Dr. C. C. Lucas of the department of medical research who followed the blood concentration of the drug, the best method of administration in infected white mice was determined. A comparative study was also carried out between this drug and a number of others in the treatment of infected mice. The exhibit of sulphanilamide treatment of urinary tract infections prepared by Dr. P. H. Greey, Dr. C. C. Lucas, and Dr. D. R. Mitchell of the department of surgery, was sent to the meeting of the American Urological Society in Quebec and won second prize. Dr. R. Margarite Price in her work on tuberculosis has been studying culture media in an endeavour to find one which will give growth of bovine strains from human cases of tuberculosis without the use of animals. She is planning to visit the European laboratories this summer to study their methods at first hand, particularly in Denmark and Great Britain. In emphasising the need for universal pasteurisation of milk she investigated an outbreak in 1938 of bovine infection in five children where the milk supply was not pasteurised, and in which the infection had come from a herd later destroyed. Her critical review of the literature on the problem of the bovine tubercle bacillus in human tuberculosis has been published this year.

The division of surgical pathology, in addition to its heavy diagnostic routine for the Toronto General Hospital, has been carrying on studies of bronchiectasis, gastric ulcer, and gastric carcinoma. A paper summarising the findings in the pathology of fifty cases of bronchiectasis was presented by Dr. W. L. Robinson at the annual meeting of the American Association of Pathologists and Bacteriologists at Richmond. It is hoped to have the work on gastric ulcer sufficiently advanced to present at the next meeting of this association in Pittsburgh. Dr. L. M. Gray has been studying testicular tumours and is preparing a paper reporting an especially interesting case with a summary of the subject as a whole.

In the division of neuropathology Dr. J. Clifford Richardson has completed his report on the pathological findings in the recent epidemic of acute anterior poliomyelitis and this material will shortly be ready for publication. He has also continued his investigation of intracranial aneurysm and has been engaged, in collaboration with Dr. H. H. Hyland, in an important review of cases of subarachnoid haemorrhage. Their combined detailed report will be published in the near future. Dr. Richardson is also collaborating with Dr. A. W. Bagnall in the report of a case of haemangioma of the cerebellum. Dr. K. G. McKenzie has, during the winter, reviewed his series of cases of meningioma and of spinal cord tumours, and has delivered papers describing his findings in both series. Dr. E. H. Botterell is continuing his investigations of injuries to the nervous system. He has collected a considerable amount of important pathological material, more particularly with reference to injuries of the cervical spine. Dr. M. G. Whillans is reviewing for publication, the cases of subdural empyema which are in the files of the division. Dr. Whillans has also collaborated with Dr. P. H. Greey in an investigation of cerebral lesions caused by pneumococcal infections of mice. Dr. M. R. Shaver has collected from the files of the division and in collaboration with Dr. K. G. McKenzie and Dr. W. S. Keith, cases of cyst of the third ventricle. He is preparing a paper on this subject. Dr. Linell has completed his investigations, in collaboration with Dr. E. Hall, of histological changes following insulin and metrazol injections in rabbits. The former has investigated haemorrhages into the brain-stem produced by head injury, and gave a paper on this subject before the American Association of Pathologists and Bacteriologists in March, 1939.

The head of the department gave the Mutter Lecture at the College of Physicians of Philadelphia, the Mercy Day address at Pittsburgh, as well as addresses in Boston, New York, Oklahoma City, Victoria, Montreal, Kingston, Richmond and Omoha.

Pharmacology, under direction of Professor V. E. Henderson

The research in the department has proceeded satisfactorily. Prof. Lucas has been studying methods for the identification of alkaloids secreted by the saliva and has an exhaustive paper on this topic nearly finished. Prof. Ferguson has continued his studies of the mechanism of the secretion of the active principles of the pituitary in labour. This is being reported at the meeting of the American Physiological Society and will be submitted for publication. He has also in press a study of the anaesthetic properties of allene, a possible contaminant of cyclopropane. He is also studying the extravagal respiratory reflexes. Dr. Bonnycastle has in press a paper dealing with the effects of procaine, used so much in spinal anaesthesia. He has shown conclusively that its danger lies in the paralysis of the nerves to the diaphragm, rather than on the centre. He is also studying the effects of drugs on hypertension.

Dr. Rice and myself published a paper dealing with the effects of certain drugs on respiration and particularly on respiratory reflexes. Dr. Rice published a paper on the vagal reflexes affecting respiration.

A study has also been made of the anaesthetic actions of cyclopropane by myself, and with Prof. Lucas a study has been made of proposed pharmacopoeial definitions of cyclopropane.

Physics, under direction of Professor E. F. Burton

Low Temperature Laboratory:

The work in this laboratory has been done in cooperation by the following members of the staff and research students: Professors H. Grayson Smith, John Satterly, Arnold Pitt, and J. O. Wilhelm, Dr. H. E. Jones, holder of a National Research Council Studentship, J. C. Findlay, assistant demonstrator, H. M. Bryant, assistant demonstrator and R. G. Elson, graduate student.

Investigations have been carried out on the following problems: (1) the flow of liquid helium through capillary tubes and some anomalous viscosity effects in liquid helium II; (2) the viscosity of liquid hydrogen; (3) the velocity of sound in liquid helium with particular reference to a change at the transition point from helium I to helium II; (4) the specific heats of metals of the iron group; (5) the development of a balance for use in the measurement of the magnetic susceptibilities of various substances at liquid helium temperature.

Spectroscopy

Atomic Spectra

The following problems in the field of atomic spectra were investigated during the past year: the multiplet structures of the third spectrum of lead and of thallium; the hyperfine structures of lines of the various spectra of thallium, bismuth, aluminium and phosphorus The atomic beam source developed a year ago has greatly improved and is being used in the hyperfine structure investigations, particularly for the small isotope shifts of the heavier elements and the narrow magnetic structures of the lighter elements. Professors M. F. Crawford, A. B. McLay, Dr. R. Richmond, Mr. W. M. Gray and Mr. J. Convey participated in these researches.

A theoretical interpretation of the anomalous multiplet and hyperfine structures of the G levels of Tl II and Pb III was completed by M. F. Crawford.

Molecular Spectra

Important advances were made during the year in the technique of Raman spectroscopy. A method was developed for obtaining the Raman spectra of small quantities of liquid with short exposure times. For example the complete Raman spectrum of 1 cc. of carbon tetrachloride can be obtained in one minute, and even with extremely small quantities of liquid, of the order of two or three drops, an exposure of only thirty minutes is required. This is equivalent to about a thirty-fold increase in speed over the previous techniques. The importance of this new technique is: firstly, chemical and biological materials that can be produced in a pure state only in very small quantities can be studied; secondly, Raman spectra can be used to detect small amounts of molecular impurities present in a sample, particularly in organic substances; and thirdly, weak Raman effects characteristic of interactions between molecules can be investigated and used to study such problems as change of state.

A new method of obtaining the polarisation of Raman lines was also developed. This information, which is of greatest importance in assigning frequencies of modes of vibration of the molecule, can now be obtained in about one-twentieth of the time required with former techniques.

These techniques were devised by Dr. H. L. Welsh and Professor M. F. Crawford, and were proven experimentally with the assistance of Mr. P. J. Sandiford. A number of problems in molecular structure are now being investigated by this group and Dr. Elizabeth Allin.

Spectrographic Chemical Analysis

The facilities for analysis by both emission and absorption spectra have been improved, and during the year two graduate students, Mr. R. W. Rae, and Mr. R. W. Callon, were given a course of instruction in methods of analysis, under the supervision of Professors Ireton, Crawford and Dr. Welsh. A number of requested analysis of widely different materials, ore, wood, pulp, insulin, liver extract, photographic materials, were made by Dr. Welsh and the two graduate students.

Geophysics

Magnetic and electrical resistivity exploration in a limestone region has been carried out by Professor Lachlan Gilchrist, A. R. Clark and K. C. Mann, assistant demonstrators, M. J. S. Innes and D. W. R. McKinley, graduate students: (*a*) Vertical component magnetic measurements were carried out in a region containing extensive masses of sedimentary limestones—the porous sections of which contained gas, oil, and saline water. Making use of the values of the permeabilities of these substances the expected magnitudes of the vertical components were determined. These were measured and corrected for latitude and time of day. The results indicated the possibility of distinguishing a region of dry crystalline dolomite from that of porous dolomite containing oil and saline water.

(*b*) Making use of deep drill holes in resistivity measurements it was possible to delineate regions of high resistivity, e.g., dry limestone or pourous limestone containing gas and oil from regions of porous limestone containing saline water.

Dr. Arthur A. Brant spent the summer of 1938 as geophysicist in one of the Geological Survey parties under the Ontario Department of Mines, in the region of Steep Rock Lake, north of Atikokan, Ontario. As a sequence of this work arrangements were made for a party to carry out investigations on the ice over this lake, for the purpose of trying to determine the disposition of a supposed iron ore vein underneath the lake itself. Dr. Brant was assisted in this work by the following: A. R. Clark, assistant demonstrator, J. W. Britton, Fred McDonald, and E. W. Banting, students, and T. L. Boyle (Queen's University). This winter investigation was carried out in the months of January, February and March, and has received recognition among mining people as a very important contribution to ore discovery.

It is gratifying to know that for the present summer, the Department of Mines has sent out a definitely geophysical party, under Dr. Brant. Two graduate students A. R. Clark, and J. W. Britton are members of this party. The promising future of work in geophysics is stressed by the fact that the department of physics has already had donations, and promises of financial help which will enable the department to maintain two fellows, full time, for next year, and possibly two other research workers chosen from students who have just graduated.

The Electron Miscroscope

Mr. James Hillier, assistant demonstrator, and Mr. Albert Prebus, holder of a studentship from the National Research Council, have continued the work of perfecting the electron microscope, and have succeeded in taking many photographs of sub-microscopic structures up to a primary magnification of 30,000. This is equivalent to being able to separate two points on an object at a distance of .0000004 inch, or .00000100 cm, or 100 A.U., apart. In addition to the studentship held by Mr. Prebus, the National Research Council gave a small grant during the present year to enable these two workers to continue the work during the summer vacation of 1938. The electron miscroscope is so promising that assistance has been offered by the National Research Council and the Banting Institute to keep these two workers employed full time for the next calendar year, beginning July 1, and we are hoping for some outstanding results.

Other Investigations

Molecular Films: Professor McTaggart has continued the work on the optical properties of thin films of oriented molecules built up in molecular layers on glass. The interference colours shown by such films are found to be enhanced by building them on glass slides covered, by evaporation, with a very thick film of chromium.

Professor C. Barnes was asked, by the British American Oil Company, to work out the theoretical interpretation dealing with the operations of equipment developed for making measurements of density in continuous flow systems, especially those systems used in the cracking of petroleum hydrocarbons. At the annual meeting, 1938, of the American Petroleum Institute a paper was presented by R. L. Rude (British American Oil Co., Ltd.) R. D. Junkins (Bailey Meter Company) and C. Barnes, in which the work is given in some detail. A further paper was given (on the instrumental development of the methods for density measurement) at the Carnegie Institute of Technology, Pittsburgh, on March 2, 1939, by R. L. Rude and C. Barnes.

Short Electromagnetic Waves. Under the immediate direction of Professor Arnold Pitt an experimental study of very short radio waves is being carried on by Mr. A. W. Love. A suitable short wave generator system has been developed and work is being done on the transmission of such waves in tubes.

Dr. D. W. R. McKinley, completed a very excellent laboratory determination of the velocity of light using an oscillating quartz crystal as a light shutter. A paper on this work has been published in the Canadian Journal of Research, and a second paper is in course of publication on the use of a quartz crystal to determine the rotation of the plane of polarisation of light. Dr. McKinley accepted, during the year, a position with the National Research Council at Ottawa.

Dr. J. M. Anderson, demonstrator, with the assistance of Mr. C. A. Herald, graduate student has continued his work on the duration of emission lines using the postive ray beam method. A preliminary series of plates has been taken and the data is at present being worked out.

Dr. C. K. Cheng, graduate student, has completed an investigation on the determination of the dielectric constant of various salts with different amounts of water of crystallisation, and has obtained some very noteworthy results. He has been awarded the Ph.D. degree, and has returned to China for educational work.

Dr. W. F. Oliver, while serving as a lecturer at McMaster University, has been working consistently, during his spare time, on the structure of condensates at low temperatures as indicated by X-ray diffraction patterns.

The students listed below have been carrying on their work under the following awards: J. Convey, M.Sc., (Alberta) a Bursary from the National Research Council; W. M. Gray, M.A., H. E. Johns, B.A. (McM), M.A., and Albert Prebus, M.Sc., (Alberta), Studentships from the National Research Council.

Radon Seed Production

The apparatus for the production, and quantitative calibration, of radon seeds, which is the property of the Provincial Department of Health, but is under the direction of the Director of the McLennan Laboratory, has been operated very satisfactorily during the past year, by Dr. L. T. Newman, a former graduate student in the department of physics.

Physiology, under direction of Professor C. H. Best

The members of the staff of the Department of Physiology have gained the impression during this year, that too much work is being concentrated in the third year. The previous arrangement under which part of this subject was taught in the second year would appear to be preferable.

The head of the department has delivered a number of lectures in other universities since last year's report was prepared. The Stephen Paget lecture was given on June 6th in the London School of Hygiene, on "Insulin and Diabetes —the Present Position". A lecture on "Heparin and Thrombosis" was presented at University College, University of London, on June 9th. Lectures were also given at the British Postgraduate Hospital and at St. George's Hospital. A Mayo Foundation lecture on "Heparin and Thrombosis" was given on October 31st in Rochester, Minnesota. The inaugural Renziehausen lecture on "Historical and Recent Developments of the Insulin Situation" was presented on December 5th at Pittsburgh. An Eastman Foundation lecture on "Thrombosis" was given on December 16th in Rochester, New York, a lecture on "Thrombosis" was given at Yale on March 8th and a lecture on "Insulin and Diabetes" at Harvard on March 9th.

A particularly productive year in research has been enjoyed. Dr. R. E. Haist, assisted by Miss H. J. Bell and working in conjunction with Miss J. H. Ridout of the department of physiological hygiene, and Dr. Best, has shown that diet very definitely influences the insulin content of the pancreas. When diets rich in fat are given, a marked decrease in the insulin content can be determined within one week. These results open up many new fields for investigation. Dr. Haist has been awarded the Starr Gold Medal for 1939.

Dr. James Campbell and Dr. Haist, working under the general direction of the head of the department, have shown that there is a prompt fall in the insulin content of dogs' pancreas when diabetogenic preparations of the pituitary gland are administered. After seven daily injections the insulin content is reduced to extremely low levels but returns sharply to the normal value when the injections are discontinued. If, however, the injections are maintained for 15 to 20 days the insulin content usually remains at the low value when the injections are stopped. Dr. Campbell and Mr. H. C. Keenan have made considerable progress in the fractionation of the diabetogenic substances and have been studying as well those materials in the anterior pituitary extract which increase the disposition of fat in the liver, produce ketosis, and promote lactation Mr. Keenan, who held a Reuben Wells Leonard Fellowship from University College during the year, has elaborated a very useful method of testing ketogenic preparations.

Professor N. B. Taylor has been unable to devote as much time to research as he would like, owing to his being occupied with the revision of the physiological text of which a new edition is to appear in the autumn. In Dr. Taylor's section research upon intestinal obstruction is being continued by Dr. W. F. Greenwood, who is devoting a year to research in the department. Dr. Greenwood, with the assistance of Miss L. E. M. Roddy, has also investigated the blood potassium in animals dying of acute intestinal obstruction. Experiments upon renal hypertension have been carried out by Dr. Greenwood, with Dr. R. Nassim who is on leave of absence from St. George's Hospital, London, and some results of great interest have been secured. A rapidly developed hypertension (over 200 mm. Hg, with retinal and intestinal haemorrhages and enormous enlargement of the heart) has been produced in dogs by preventing the renal hypertrophy which ordinarily results from the removal of one kidney. Hypertrophy of the remaining kidney was prevented by enclosing it in a cast of collodion-soaked gauze. These results suggest that the essential factor in the development of renal hypertension is the inability of the kidney to increase its activity proportionately to the work demanded of it.

The section of biophysics, under the direction of Dr. D. Y. Solandt, has carried out physiological research along a variety of lines. Polarisation at the neuromuscular junction and its effect on excitation has been studied. A survey of possible methods of modifying the denervation degeneration in the skeletal muscle of the rat is being undertaken with a view to gaining a better understanding of this process. It is also hoped that the results will prove useful in evaluating the methods used in the treatment of denervated muscles in humans. Mr. J. W. Scott has completed the work on the relation of the "reaction of degeneration" to the Sherrington phenomenon in skeletal muscle. He is proceeding with a study of the site of excitation in the so-called direct excitation of muscle. An oscillator and vibrator for testing vibration sense have been designed and constructed with the help of Mr. J. D. Brown. Using this equipment, Dr. E. H. Botterell and Dr. Solandt have collaborated in testing normal and abnormal vibration sense in man. Mr. W. D. Gray has studied the relation of non-electrolytes in the environment of nerve tissue to the excitability constants of that tissue. An adjustable renal artery clamp and applicator have been designed and constructed. In collaboration with Dr. Nassim, this clamp has been used to produce the Goldblatt type of hypertension in dogs. These animals were then, through the use of a special pump, studied during and following "pressure-isolating" cross circulation with normal animals. In collaboration with the head of the department, studies are at present being made on the relation of dietary choline to acetylcholine production in rats. An outline of the collaborative work of this section with the staff in the department of physiological hygiene in the study of the effect of heparin on cardiac mural thrombus formation and on certain aspects of blood clotting is given elsewhere.

Dr. Botterell, in collaboration with Dr. Solandt, has performed a number of experiments on cats in an effort to determine the significance of the central control of micturition. It has been difficult to establish the normal systometrogram, and they have studied several curarised animals with this object in view. Dr. Botterell, in collaboration with Dr. K. G. McKenzie, Dr. David Pratt and Dr. W. S. Keith, is writing a neurosurgical guide for medical students. His section of this small book deals with the examination of the nervous system and the interpretation of findings. Actually it is a summary of the applied physiology of certain aspects of neurology.

The work begun last session and outlined in last year's report on the role of the liver in canine anaphylaxis has been continued by Dr. E. T. Waters and Mr. L. B. Jaques, who have found it possible to isolate crystals of heparin from the blood of dogs in anaphylactic shock. This conclusively proves that the marked increase in the clotting time of the blood in anaphylaxis is due, at least in part, to the liberation of heparin from the liver. An interesting observation made in connection with these studies is that heparin crystals contain an appreciable amount of water of crystallisation, a fact to be borne in mind when comparing the potency of various heparin preparations. Dr. Waters, Dr. J. Markowitz and Mr. Jaques have demonstrated sensitisation in a dog with an Eck fistula; a typical anaphylactic reaction was obtained, except that there was no engorgement of the liver.

Dr. Waters and Dr. Jean P. Fletcher have made a study of the product of enzymic hydrolysis of glycogen by a glycerol extract of muscle. The late Dr. A. D. Barbour of this University stated the sole product of this reaction to be a trisaccharide, but a number of independent investigators have failed to confirm this finding. The product which we have isolated, in excellent yield, has properties very similar to those reported by Barbour, and as the result of much careful testing we can now state that the material, while not homogeneous, is chiefly a trisaccharide composed of three glucose units. Such a compound has obvius chemical as well as physiological interest.

Dr. E. Fidlar has collaborated with a number of his colleagues in a great variety of researches during this last year, and results of very considerable importance have been obtained. Working with Dr. Waters, Dr. Markowitz and Mr. Jaques, he has shown that a very sharp drop in platelet count takes place after injection of anti-genic serum into sensitised dogs. This was first done in hepatectomised animals, and subsequently in animals with the liver present. In a series of experiments with Dr. Waters, Dr. Fidlar has found that the blood platelets are greatly reduced in number and show evidence of clumping in peptone shock. Dr. Fidlar and Dr. Waters have also studied the platelet counts in the blood of heart-lung preparations, and have thus far failed to confirm Howell's theory that platelets are produced in the lung. Dr. Fidlar has shown that there is a very rapid drop in platelet count in dogs in which the blood has been made to flow through glass cannulae, where large white thrombi form. Dr. Fidlar, working with Dr. E. W. McHenry and Miss M. Sheppard of the department of physiological hygiene, has made a very interesting study of the increase in metabolic rate observed in guinea-pigs placed on a diet deficient in vitamin C. Dr. Fidlar has collaborated with Dr. James Campbell in a study of the basal metabolic rate of dogs at various intervals after the injection of diabetogenic preparations of the anterior pituitary gland.

Psychiatry, under direction of Professor C. B. Farrar

The most important development of the year has been the organisation of a research unit at the Toronto Psychiatric Hospital, made possible by a grant from the Rockefeller Foundation jointly to the department of psychiatry and the department of medical research. For this purpose a ward clinic of twenty beds has been set aside on the third floor of the hospital with clinical staff provided by the Department of Health, and with laboratories for biochemistry and electro-encephalography equipped and staffed by the department of medical research. Initial studies now under way will compare the effects of various types of pharmacologic shock. Selected early cases of schizophrenic reaction will first be investigated, with a view to determining possible common features of various forms of treatment which empirically have been found beneficial.

Psychology, under direction of Professor E. A. Bott

In 1938-9 forty-seven graduate students were enrolled in the department of psychology, seven of whom were from three other departments. Twenty-one of the graduates enrolled were from eleven other Canadian Universities, two from the United States and one from England. Two candidates were recommended for the Ph.D. degree and twelve for the M.A. degree. The names of these degree candidates and the subjects of their theses follow:

For the degree of Doctor of Philosophy:

Salter, Mary D.: The Concept of Security as a Basis for the Evaluation of Adjustment.

Turner, G. H.: A Study of the Effect of Fixed-Pace Work upon Health.

For the degree of Master of Arts:

Appleby, R.: Differences in maze-solving ability among inbred strains of laboratory house mice.

Bertram, V.: A Study of affective behaviour in eight preschool children.

Cates, T.: A study of the dominative and submissive behaviour of eight preschool children.

Gifford, E. V.: Schizophrenic performance of the 1937 revision of the Stanford-Binet (Form L).

Loomer, A.: A multiple factor study of the Moss Medical Aptitude Test.

MacDonald, D. S.: An interest questionnaire for secondary school boys.

Miles, H.: A Study of responsibility in a nursery school setting.

Scott, F.: Adult-Child relationships in a nursery school setting.

Sedgwick, M. S.: A study of unlawful non-attendance (truancy) in the City of Toronto.

Stewart, V. E.: A follow-up study of a group of 161 juvenile delinquents.

Sunley, J. H.: A study of job satisfaction in a retail department store among male sales clerks.

Wang, C. H.: An investigation of the contribution of Bertrand Russell's theory of neutral monism to Psychology.

During the past year our staff have been engaged upon a number of special investigations and plans have been laid to commence new studies in collaboration with other faculties and departments. Owing to our serious need of funds for laboratory research equipment, our problems have been chosen largely outside of the laboratory.

A committee of the staff has charge of the studies now being conducted under post-doctoral research fellowships which the department is establishing. The John Northway Memorial research fellowship, provided in 1938 for five years, has permitted an intensive study to be made of the educative values in summer camp procedures. This investigation will be continued and related to the educational experience of the children during winter. A David Dunlap Memorial research fellowship has also been established this year through the kindness of Mrs. Dunlap who has generously assisted the University with undergraduate scholarships for many years. This fellowship will aid in a three-year projected study upon the progress and adjustment of students entering the faculty of medicine. A third research fellowship is contemplated to be devoted to problems of delinquency and penology at the preventive level along the lines urged in the Royal Commission Report on the Penal System in Canada. Knowledge based upon investigation is essential for the guidance of practice in these fields.

Professor Chant is giving individual attention to problems of students' educational adjustment especially in the faculty of medicine, which has recently appointed a Students' Advisory Committee to follow this work. An evaluation of the Medical Aptitude Test is being undertaken and of other factors which influence the success and failure of students entering medicine.

Professor Line has directed a number of inquiries concerning school children in the grades of city public schools with a view to appraising psychologically the results being obtained under the new Ontario curriculum. Special attention is being given to achievement in reading in the early grades.

Professor Ketchum with the aid of graduate students and seniors in the sociology course is engaged upon a comprehensive programme of studies relating to social patterns of the City of Toronto. These are both historical and contemporary; they involve mapping the growth and changes of specialised areas in the City, indicating the density and mobility of population, size and location of foreign groups, incidence of crime, public attitudes as indicated in municipal voting, etc.

Professor Cosgrave, with the facilities provided in the vocational laboratory opened at 102 St. George St. last year, has given vocational examinations and guidance to 25 young people referred from schools, agencies and industry. The number of requests for examination greatly exceeds the number undertaken. The laboratory aims to establish principles rather than only to offer service in the vocational field. Dr. Cosgrave's work upon methods for the selection of pupil nurses is continuing with the School of Nursing.

Professor Myers, through his position as psychological consultant in the Ontario Department of Health, is exploring the application of psychological measurement methods in connection with the diagnosis and treatment of schizophrenic conditions. Many of our graduates are entering this important field of public service under the direction of Dr. Myers.

Professor Bernhardt has charge of studies in the animal laboratory of the department at 69 St. George St. These are related on the one hand to studies in genetics under the department of biology and on the other to studies with pre-school children under the Institute of Child Study. Arrangements have been completed to commence a special study on neurotic behaviour in rats through co-operation with the department of medical research.

Professor Bott has continued studies in muscular action, particularly ocular behaviour in reading. He has also taken steps with Dr. Cosgrave to examine the recent work on personnel selection in aviation from Britain and the United States with a view to co-operating with the Canadian Department of Defence in the solution of psychological problems in this field.

The staff in psychology at Toronto has taken an active part this year in the establishment of the Canadian Psychological Association. At an initial scientific and business meeting held here on April 12th, Dr. Bernhardt contributed a paper along with Dr. Humphrey of Queen's University. During the year Professor Ketchum along with Professor Morton of McGill conducted a survey of recent psychological research in Canadian universities, and prepared an extensive report which is now available in neostyled form. It is hoped that the formation of this association will appreciably strengthen and unify the teaching and research in psychology throughout the Dominion.

Therapeutics, under direction of Professor R. F. Farquharson

As formerly, research work in Therapeutics has been closely associated with similar activities in the department of medicine. In particular, a careful study of the results of prolonged treatment of patients suffering from pernicious anaemia has been carried on. Further investigation of anorexia nervosa and its relation to various endocrine diseases has been made and, in association with Dr. H. H. Hyland of the department of medicine, a report of part of this work has been published.

Medical Research, under direction of Sir Frederick Banting

Dr. Banting has continued his work on the experimental tumour problem, but unfortunately, this work was greatly interrupted by his survey of Canadian Universities and Hospitals made under the auspices of the Associate Committee on Medical Research of the National Research Council of Canada.

The work under the direction of Dr. W. R. Franks has been largely confined to the further study of synthetic antigens and serologically active derivatives particularly those related to carcinogenesis. Dr. Franks has found that the administration of antigens formed by linking dibenzanthracene to casein reduces tumour production, from various sources, significantly. He has also shown that the degree of protection against carcinogenesis varies inversely with the tumour incidence in the groups studied and that heredity also influences the response.

During the year the methods of conjugating carcinogens to protein have been improved.

Mr. L. F. King, working under an Eli Lilly Fellowship, and Dr. Franks have been studying the use of non-carcinogenic sulphonyl chloride derivatives of the carcinogens for conjugation. The immunological activity of substances so linked has been established and the sulphonic derivatives of some of the carcinogens have been prepared. Similar conjugation of oestrone and other oestrogenically active compounds is being studied.

An exploration of the immunising activity of various conjugates of carcinogens and their derivatives has been commenced. The synthesis of suitable derivatives of the carcinogenic hydrocarbon has been undertaken by Dr. H. J. Creech, working at Harvard University under a grant from the International Cancer Research Foundation and as a part-time fellow in this department. Two compounds, thus prepared, have been used in immunisation studies in our laboratory. Mr. W. N. Keefe has studied, with Dr. Franks, the preparation of derivatives of the carcinogenic azo compounds suitable for antigen formation.

Mr. G. A. Meek and Dr. Franks have been using step molecular films to follow immunological reactivity. This technique is particularly valuable in detecting the degree of cross reaction between prosthetic substances. Results have been applied to the immunisation studies in mice.

The immunisation studies connected with the various aspects of the tumour problem have been carried out by Miss M. M. Shaw and Dr. Franks.

Some factors which might possibly influence antibody production have been studied by Mr. F. B. Thomson and Mr. R. C. Smith, who investigated the influence of hypophysectomy and serum protein replacement following plasmaphoresis, on hemolysin production.

The influence of irradiation on the metabolism of tumours is still being studied by Dr. Franks and Mr. G. J. Millar. The irradiation of the animals has been carried out with the cooperation of the department of radiology.

The work on the conjugation of substances isolated from the tubercle bacilli in an endeavor to form new antigens is being continued by Dr. Franks and Miss E. Grant. Dr. P. H. Greey, of the department of pathology and bacteriology, has cooperated with these workers in the animal experiments.

The work on experimental heart disease which has been in progress for several years has been financed in part, this year by a grant from the Josiah Macy Jr. Foundation, New York, who have also provided three fellowships for this work.

Dr. C. G. McEachern, Mr. G. W. Manning and Dr. G. E. Hall have shown that although the size of the infarct produced in myocardium following ligation of a major coronary artery is the same in the anaesthetised and conscious states the mortality is greatly reduced under anaesthesia. Similar ligation with the animal under the influence of atropine reduced the mortality from 75 per cent. to 50 per cent.; when the cardio-sensory pathways were removed on one side the mortality following ligation in the conscious state was reduced to 30 per cent., while total ablation of the cardio-sensory nerves reduced the mortality to less than 10 per cent., although the size of the infarct remained the same. Other drugs are being investigated in relation to their influence on cardiac pain and mortality following coronary occlusion.

Dr. J. M. Janes and Dr. Hall have been studying the relationship between the cardiovascular system and the biliary tract. It has been shown that in some instances distention of the gall bladder caused cardiac irregularities but no chronic cardiac changes could be definitely associated with chronic cholecystitis.

Dr. Janes has also studied the relationship of experimental hypertension to cardiac function and has been investigating methods of increasing the blood flow to ischemic kidneys.

Dr. Janes, Dr. I. W. Mann and Dr. Hall have been studying experimental cholesterol atherosclerosis in various species of animals and found that ordinarily such lesions can only be produced in rabbits.

Dr. Mann has also attempted to produce arterial changes in rats by the prolonged feeding of lecithin, cephalin, sphingomyelin and total crude phospholipids of adrenal and brain origin.

Mr. Manning and Miss Lang have studied the effect on blood sugar of the parasympathetic drugs atropine, pilocarpine, eserine, etc., in normal, adrenalectomised and depancreatised dogs.

Dr. Mann and Dr. Hall have investigated the influence of vitamin D, thyroid extract and acetylocholine, singly and in combination, upon the cardiovascular system in rats. They have found that of these agents only acetylcholine produces endothelial changes in the arteries. Dr. Hall has also shown that calcareous changes can be produced in the coronary arteries, aorta and heart muscle of rabbits following the subcutaneous injection of acetylcholine.

Mr. D. W. Lougheed has made extensive physiological and biochemical studies following the intravenous injection of oxygen, carbon dioxide, nitrogen, helium and air into animals. The problem of asphyxia was also studied by Mr. Lougheed and later, in conjunction with Dr. Janes, Mr. Manning, Dr. Banting and Dr. Hall, physiological studies in experimental drowning were carried out. The results of these experiments may be applied directly to human cases.

The problem of the physiological significance of metrazol and insulin shock therapy in the treatment of schizophrenia has been continued by Mr. J. E. Goodwin, Mr. F. L. Lawson, Mr. W. K. Kerr and Dr. Hall. Through a grant from the Scottish Rite Masons, Northern Jurisdiction, an intensive study was made on the changes in the electrical activity of various regions of the brain in response to intravenous and locally applied metrazol.

Miss Lang, Mr. B. Leibel and Dr. Hall have studied the influence of various drugs, which affect the autonomic nervous system, on the effects produced by subsequent injections of metrazol. This series of experiments has been followed by the work of Mr. Lougheed, in which a detailed study of the blood gases, alveolar air, systemic and pulmonary blood pressures, heart rate, splanchnic volume, etc., was made before, during and after metrazol shock.

Through the generosity of the Rockefeller Foundation, clinical research, in conjunction with the department of psychiatry has been made possible. A thorough physiological, pharmacological and biochemical study has been started by Dr. Hall with Mr. Lougheed and Miss Melrose, on the patients receiving shock therapy as a form of treatment for schizophrenia. In conjunction with this project purely experimental work has been undertaken in this department in an endeavour to study, experimentally, the many problems which arise from the clinical investigation.

Mr. Goodwin and Dr. H. H. Hyland (of the department of medicine) have obtained some valuable information from their electroencephalographic studies of epileptic cases from the Toronto General Hospital. Following the completion of an electroencephalographic unit in that Hospital this work is progressing rapidly.

Mr. Goodwin and Drs. K. G. McKenzie and E. H. Botterell have been using the electroencephalogram for localisation of brain tumours and epileptic foci with excellent results and have started using localising electrodes at operation on the exposed cortex.

Mr. Goodwin and Dr. W. A. Hawke (of the department of paediatrics) have continued their studies of the brain potential changes in "behaviour problem" children and in the convulsive states. Records of normal children are also being obtained.

Dr. D. P. C. Lloyd has been following two main problems. These are: the excitability of ganglion cells and the transmission of impulses through sympathetic ganglia and the transmission of excitation to smooth muscle. The recognition of Dr. Lloyd's work in this field has led to his appointment as an assistant in the Rockefeller Institute.

Assistance was given by Miss Lang and Dr. Janes to the problem of cholecystitis and liver function brought to the department by Dr. Dean McDonald of St. Catharines.

Again this year the Department of Medical Research has enjoyed the co-operation and financial assistance of the McIntyre Porcupine Mines and the Ontario Mining Association in the problem of silicosis.

Mr. J. J. Denny and Dr. W. D. Robson, of the McIntyre Porcupine Mines and Dr. D. A. Irwin and Mr. J. H. Johnston of this department have continued their experiments on the prevention of silicosis by metallic aluminum.

The original experiments on the prevention of silicosis by aluminum have been repeated on large groups of rabbits. It has been established that in the lung the intimate mixing of one percent. metallic aluminum dust with quartz dust prevents the development of silicosis up to periods of over two years. Aluminum has been shown to effectively inactivate the quartz retained in the lung either when inhaled as a mixture with quartz or when inhaled separately. The inhalation of aluminum dust in large quantities over long periods of time showed no effect on the general health of the animals and no toxicity or damage to tissue. Metallic aluminum on being converted into hydrated alumina reduces the toxicity of quartz in three ways: (*a*) by flocculation, (*b*) by absorbing silica from solution, but (*c*) chiefly by coating the quartz particle with an insoluble and impermeable coating.

Experiments have been under way for the past year to ascertain what effect aluminum dust might have on experimental silicosis once that condition is established. The findings to date, though not conclusive, strongly indicate that aluminum dust therapy arrests the usual progress of the disease and aids the lung to eliminate the quartz dust. The experimental work is being continued.

In conjunction with the Technical Silicosis Research Committee of the Ontario Mining Association, Dr. D. A. Irwin and Mr. F. E. Chase are investigating the effect of aluminum on tuberculosis infection complicating silicosis. Experimental evidence to date indicates that the addition of minute amounts of silicic acid to cultures of tubercle bacilli increases the growth of the organism in rate and amount. Experiments are being carried out both in vivo and in vitro to determine if the presence of aluminum influences the localisation, spread and subsequent course of tuberculous infection present in a silicotic lung.

Three main problems—chemotherapy, phospholipids and protein analysis, have been under investigation by Dr. C. C. Lucas and his group.

The chemotherapeutic studies have been synthetic, analytical and biological in nature. The biological investigations include determination of the absorption and toxicity of the compounds and of their antibacterial activity. Mr. C. Marchant, under the supervision of Dr. Lucas, has prepared a series of derivatives of sulphanilamide. These have been turned over to Dr. P. H. Greey and his associates in the department of pathology and bacteriology, who have studied the antibacterial activity of these and other compounds in vitro and in vivo. The collaboration of the department of bacteriology has made it possible to study adequately this aspect of the problem. About twenty compounds have been prepared to date, several of which have promising properties. The studies are being directed particularly towards discovery of compounds effective against Staph. aureus and Bacillus tuberculosis.

Dr. Lucas has determined the rates of absorption and excretion and the blood concentrations of several of the new compounds following doses of different size given to rats. Chronic toxicity tests are also being conducted. The acute toxicity of these new compounds in mice and guinea-pigs has been determined in collaboration with Dr. Greey.

Dr. Lucas has studied the chronic toxicity of sulphanilamide by feeding groups of rats on diets containing 0.5, 1.0 and 2.5% of the drug. Another group of rats have received the so-called conjugated form (N^4-acetyl sulphanilamide). The animals have been observed for one and a half years; some have been receiving the drug through four generations. Some inhibition of growth at higher dosage and defective spermatogenesis after six months on the drugs were the only signs of toxicity observed. Dr. D. A. Irwin has carefully examined sections from animals sacrificed at intervals but noted no other evidence of toxic action.

Dr. Lucas has collaborated with Drs. P. H. Greey and D. B. MacLaren (department of bacteriology) in some comparative chemotherapeutic studies, using mice experimentally infected with Strep. haemolyticus and Type I Pneumococcus. The relative antibacterial activity of sulphanilamide, dagenan, promin and hydroxyethyl apocupreine was investigated.

Miss M. E. Wheatley and Dr. Lucas have studied the splitting of prontosil in vivo and in vitro in an attempt to account for the curative effects of this dye, since the hypothesis that activity is due only to liberated sulphanilamide does not fit all the facts. A diamino-naphthol disulphonic acid, the second product which results from the fission, has now been isolated in pure form and its antibacterial effects are being studied in the department of bacteriology.

Miss Wheatley has also assisted Dr. Lucas to devise a semi-micro method for the quantitative study of small calculi (under 80 mg.) from the kidney or bladder. Utilising this procedure, a series of 100 stones collected by the department of urology at the Toronto General Hospital have been analysed. Dr. D. R. Mitchell, of that department, is collaborating in this study from the clinical side. It is hoped that information obtained may be used to advantage in choosing diets for patients with a tendency to form stones, thus lessening the recurrence of urinary calculi.

Miss H. Macmorine attempted to devise a micro-method for estimating the drug metrazol (which is being widely used to treat schizophrenia) in tissue extracts. No suitable colorimetric procedure was found. Miss Macmorine later studied the determination of bilirubin and bromsulfalein (a dye used to test liver function) when they are both present in the same blood. She has also assisted Mr. Marchant in preparing new compounds for chemotherapeutic investigations.

Mr. J. Beveridge has continued his examination of the amino acids in the keratin of human hair. A suitable scheme of analysis for such a mixture has been worked out and data on eleven amino acids are now available.

Mr. L. B. Macpherson has fractionated the fatty material extracted from lungs of patients dying of pulmonary tuberculosis. The fractions are being examined chemically and tested for the effects they produce when injected subcutaneously and intraperitoneally. He has also continued his attempts to devise improved methods for the synthesis of phosphatides.

Mr. G. F. Townsend, working under Dr. Lucas, has made a chemical examination of Royal Jelly, the peculiar nutriment upon which queen bees are fed during larval and adult life. This mixture, interesting from the nutritional point of view, has been separated into four main fractions and each is being further studied.

Dr. Bruno Mendel has tested a large number of the higher aliphatic aldehydes for their effect on the metabolism of normal cells and tumour cells. Some of these aldehydes (heptaldehyde, citral) were found to inhibit the Pasteur reaction in tumour cells in minute amounts. The application of these findings to experimental tumours is under investigation.

Miss D. Mundell, working as an Eli Lilly Fellow, under the direction of Dr. Mendel, has made detailed studies on the choline-esterase in a large number of tissues of different plant and animal species. Whereas various amounts of choline-esterase were found in all the animal tissues so far investigated, tumour cells did not show any esterase activity.

Miss Mundell's work towards purification of the choline-esterase resulted in obtaining a highly purified preparation from mouse liver. As larger amounts of the esterase were needed for experimental work on animals, Miss F. Strelitz developed a method for the purification of the esterase from horse serum. With this preparation, which was purified from 200-300 times, many experiments on animals were carried out, in order to determine the pharmacological effect of choline-esterase under various conditions. This work is being continued.

The work of the department has been aided to a great extent by grants from the following:

The Banting Research Foundation.
The Josiah Macy Jr. Foundation, New York.
The McIntyre Porcupine Mines, Limited.
The Ontario Mining Association.
The Scottish Rite Masons, Northern Jurisdiction.
The Eli Lilly Company, Indianapolis.
The Rockefeller Foundation, New York.

The department wish to express their thanks for the financial assistance. We also wish to acknowledge the gift of 200 milligrams of radium from Mr. Gilbert A. LaBine, in memory of his son, Leonard.

The Dr. James Page Rutherford Fellowship has been awarded to Dr. E. J. King of the British Postgraduate Medical School, London. Dr. King will spend three months working in this department.

Report of the School of Engineering Research

The Committee of Management of the School of Engineering Research herewith presents the annual report of its activities in research for the session 1938-39. This comprises a description of the researches which have been in progress and by whom undertaken, as well as a general statement of the new arrangement of the work of the Committee and its policies.

During the past year considerable revision was made of the rules of procedure under which the Committee of Management of the School of Engineering Research operates. The chief changes introduced were, the addition of eleven members of the staff to the Committee, and the setting up of three sub-committees in order to more effectively supervise the selection of researches proposed by members of the staff, the decision of the funds to be expended upon each research, the consideration of progress reports, and publication of completed researches.

The following researches have been in progress during the past year:

Department of Civil Engineering

Under the direction of Professor C. R. Young
(with Professor Dunbar and C. E. Helwig)

Lateral Support of Steel Columns

The purpose of the investigation was to determine the extent of the required lateral supporting force for a wide range of steel columns, and to formulate design rules. This work has been completed and will be published in the near future.

Under the direction of Professor T. R. Loudon
(with H. S. Hiscocks)

Stress Effect of Cut Outs in Aeroplane Fuselages

The first part of this investigation was completed in June, 1938, and a paper presented at the Ottawa meeting of the American Society for the Advancement of Science. The final part has been in progress, and will be reported on in a few months.

Single Seat, Light Monoplane

An investigation is being carried on for the design of a single seat, light monoplane. The object of the research is to produce a reasonably priced, light monoplane.

Department of Mining Engineering

Under the direction of Professor F. C. Dyer
(with H. L. McClelland)

The Separation of Weed Seeds from Crop Seeds

The research on the cleaning of clover seeds has been extended to include wheat and other heavier seeds. The work so far has resulted in the development of a flotation process for the cleaning of clover seed. The process is now in commercial use in Canada, and has resulted in the reclaiming of much seed which was hitherto of very little value to the farm. The introduction of the process in the United States is at present under way, and inquiries have been received from several foreign countries. A further development is the Panel Seed Separator, which is a unique type of reciprocating table, and is a dry process, making delicate separations far beyond the possibilities of any other machine at present in use. This machine has been developed to a semi-commercial stage. Another dry process which has reached the advanced laboratory stage, is designed for the removal of some of the prohibited and more noxious weed seeds, which have proven to be inseparable from the clovers by other processes. The laboratory results, with respect to this process, have been very favourable.

These and other pressing problems connected with the elimination of weed seeds from clovers and grains will be continued.

Department of Mechanical Engineering

Under the direction of Professor R. W. Angus
(with Dr. Lord and G. Gung)

The Determination of Coefficients of Discharge over Dams

This research previously published in Bulletin No. 150, has been continued, with special reference to dams placed at an angle other than 90° to the axis of the stream. Also by means of a model dam, the flow for different heads and velocities of approach has been studied, also the exact contours of the water surface have been plotted. The effect of bridge piers set parallel with the stream axis, also placed normal to the face of the dam, has been studied. This investigation will be continued.

Under the direction of Professor E. A. Allcut
(with R. J. Birss and D. H. Hamly)

The Structure and Properties of Heat Insulating Materials

Studies have been made on the physical properties of heat insulating materials, with particular reference to their influence on the transmission of heat by conduction and convection.

The first part of this work, relating to infiltration of air and gasses through these materials has been published in bulletin Number 158. Micro examinations were also made of fibrous insulating materials, and experiments are now in progress to determine the effect of vacua on heat transmission characteristics.

School of Architecture

Under the direction of Professors H. H. Madill and E. R. Arthur
(with H. Carver)

The Siting of Housing Projects in the Toronto Region

An investigation is in progress to determine suitable sites for the construction of low rent housing in the City of Toronto. The relative merits of the sites are compared and graphically illustrated. Three slum clearance sites are being examined. A detailed study of each area is being made, together with a replanning scheme incorporating schools and other permanent features. As close relations must exist between the selection of housing sites and the ultimate policy for future development of the metropolitan area, the implications of each area under consideration are being illustrated.

Department of Engineering Physics

Under the direction of Professor K. B. Jackson
(with D. H. Hamly and W. A. Mohun)

Photographic Sensitometry

A sensitometer has been designed and constructed which is used to produce a series of exposures on the sensitive material under test, ranging from .001 seconds to 100 seconds in a logarithmic series. Work has also been completed on the calibration of light sources to produce an I.C.I. Standard Daylight, and on the construction of a constant temperature room and suitable equipment for the control of development conditions, and on the adaptation of a visual photometer for the measurement of density in the sensitometric strips.

(with L. E. Jones)

A Light Source for the Inspection of Specular Surfaces

The initial problem was to devise an artificial source of illumination for the inspection and grading of patent leather. This has been accomplished and the investigation extended to determine the necessary modifications for the inspection of calf skins and side leather, paint and lacquer surfaces.

Department of Chemical Engineering

Under the direction of Professor J. W. Bain
(with N. R. Fasken)

The Oxidation of Lignin

The oxidation of Willstatter Lignin by periodic acid has been studied quantitatively, and evidence has been obtained of the formation of a compound containing iodine and additional oxygen. Lignins of different origin are being similarly treated. The research is still in progress.

(with B. Marks)

The Action of Sodium Sulphide in Lignin

Considerable difficulty has been found in separating the products of this reaction. The research is still in progress.

(with B. Marks and R. J. Stevens)

The research on the oxidation of Lignin by periodic acid was continued during the session for the purpose of purifying and identifying some products of the reaction. Research is now in progress.

Under the direction of Professor M. C. Boswell
(with W. H. Rapson and K. W. Malcolmson)

The Synthesis of Oxalic from Cellulose

The conditions necessary to obtain a yield of 80% of the theoretical have been found, on the laboratory scale. Working on the pound scale, this same yield has also been obtained. An inexpensive method has also been devised for separating sodium oxalate from the sodium hydroxide fusion mixture, with practically no loss of either sodium oxalate or sodium hydroxide.

(with A. F. Graham, M. Adelman, and D. M. McBane)

The Synthesis of Inositol

Exploratory work has been carried out with five different methods for effecting this synthesis. Two of these appear promising. The work is in progress.

(with L. J. Rubin)

The Condensation of Glucose, Lactic Acid, and Urea

This condensation is being effected in stages. Three crystaline intermediate products have been isolated. The analysis of these, and their further transformations are now being studied.

Under the direction of Professor E. G. R. Ardagh
(with W. H. Bowman and A. S. Weatherburn)

The Reactions between Hypochlorite and Thiophene

The influence of the conditions upon the reaction between hypochlorite selections and thiophene has been further studied, and a paper published on the subject in the Transactions of the Society of Chemical Industry for 1939.

Under the direction of Professor R. R. McLaughlin
(with Dr. Beal)

The Action of Iodine on Rubber

It was found previously that compounds of iodine and rubber, containing a low percentage of iodine, can be prepared. The work of more definitely, characterising these compounds was continued The results will be published shortly. A study was made of the manner of addition of iodine to rubber. Similar study was made of other unsaturated hydrocarbons related to dipentene and isoprene, as the two latter are closely associated with rubber.

(with L. E. Horembala)

The Role of Copper in the Deterioration of Rubber

This is a continuation of the work carried out with Dr. Beal last year.

The action of kephalin in deterring the aging of rubber catalysed by copper is being investigated. Kephalin was found to diminish the oxidation action.

Under the direction of Professor E. A. Smith
(with J. P. Kirby and W. C. Macdonald)

Dehydrogenation of Soya Bean Oil

This research is in progress.

Department of Electrical Engineering

Under the direction of Professor H. W. Price
(with R. J. Brown)

Electrical Contacts with Small Operating Force

The combination of materials has been found for establishing electrical contact without flashing, and with very small contacting force.

Under the direction of Professor V. G. Smith

A Cathode Ray Oscillographic Wattmeter

Preliminary design work has been completed, and experimental work to determine some unknown factors will be commenced.

Under the direction of Professor B. deF. Bayly

The Analysis and Synthesis of Electric Wave-Forms

In general, this research is for the purpose, firstly, of finding more convenient means than have hitherto been available for delineating and recording electric wave forms, and secondly, to provide equipment for setting up artificially any desired type of wave form, either of a steady state or a transient condition. This research has been in progress during the past session, and is being continued.

Report on Research in the Faculty of Dentistry

Notwithstanding the lack of adequate funds for research in this Faculty the staff and graduates have been carrying on with very gratifying results.

Following the investigations of Dr. Harold K. Box on dental caries, a bulletin entitled "A Liquefying Amylase in Human Saliva, Amylopectin and Dental Caries" was published by Canadian Dental Research Foundation. Further research into the relationship of the amylolytic activity of human salivary enzymes and dental caries has been continued.

During the year, Mr. Fenton has proceeded with his studies on the bacterial and physico-chemical properties of cereal-grain products, as related to dental caries. The nature of the protective factors involved in caries immunity is being investigated on the basis of the amylolytic activity of the saliva on cereal-grain foods.

Dr. Frank M. Lott has now progressed in his study of glass as a denture base to the point of making a thorough clinical test of this material. A report has been made to the department of anatomy on a study of the anatomy of the mandibular joint and its relation to occlusion. A report on dentistry as applied to the defence forces of a country has been completed and forwarded to the Canadian Department of Defence.

Dr. Roy G. Ellis has made further progress in the field of electro-deposition of metals as applied to dentistry especially in the prosthetic branch.

During last July and August Dr. Ellis at the request of Bishop Fleming of the Diocese of the Arctic visited All Saints Hospital at Aklavik in the western Arctic. Incidental to dental service to the Eskimos and Indians, many observations were made of their dental conditions. Dr. Charles H. M. Williams will this summer visit the main land and islands of the eastern Arctic, making similar investigations. A comparison of the dental conditions of the Eskimos and Indians in these widely separated areas will be of much value. Dr. Williams has an appointment from the Federal Government as a scientific investigator on the steamship "Nascopie."

The Royal College of Dental Surgeons of Ontario has given financial support to research in this Faculty and this has assisted the following graduates to pursue the study of various dental problems.

Dr. E. C. Purdy and Dr. Arthur W. Ham have nearly concluded their investigation into the relationship of the mineral content of teeth to disturbances of the calcium and phosphorus metabolism.

Dr. M. N. Rockman was awarded the B.Sc. (Dent.) degree on his study of the effect of x-rays on blood, bone marrow and skin.

Dr. Wm. Garard has proceeded with his investigation on the relative toxicity of procaine and monocaine.

Dr. T. N. Scott has continued his study of the anatomy and histology of the semi-edentulous and edentulous mouth.

Dr. G. B. Shillington has commenced a study of teeth of pre-school children, with special reference to any relationship existing between dietary factors and time of eruption of primary teeth; dietary factors to include: breast feeding, Vitamin D, Vitamin C, cereals, vegetables, eggs. This research is being undertaken at the Hospital for Sick Children under the direction of Dr. F. F. Tisdall.

Dr. H. S. Austin is proceeding with a study of the enervation of the dental area with special reference to the difficulties in procuring local anaesthesia. His work this year has been in the department of anatomy under the direction of Dr. J. C. B. Grant.

Dr. F. D. Dempster is making a study of the age at which orthodontia treatment should be commenced, under the direction of Dr. C. A. Corrigan.

(14) PUBLICATIONS

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(15) REPORT OF THE DIRECTOR OF UNIVERSITY EXTENSION AND PUBLICITY

(*W. J. Dunlop, Esq., B.A., B.Paed.*)

It has often been said that the function of University Extension is to serve the university's constituency and to comply with requests received, in so far as such service is within the recognised sphere of a university's activity. When that is the objective, it follows that there are new developments each year. During the session 1938-39, a class in marketing was established in which nearly four hundred men and women enrolled for a series of ten lectures. A three-day course was arranged for men and women engaged in the business of buying, selling, renting and appraising real estate. Arrangements were made to conduct correspondence courses and to supervise examinations for the International Accountants' and Executives' Corporation as has been done for years for similar commercial organisations. Refresher courses were carried on in co-operation with the Department of Social Science.

The enrolment in courses and classes for the session was somewhat higher than in the previous year. It was made up as follows: Pass course for teachers, 747; evening tutorial classes, 3,208; Workers' Educational Association classes (in Ontario), 1,432; occupational therapy, 47; physiotherapy, 44; aerial navigation, 20; courses in pedagogy, 104; specialist courses, 10; short courses, 303; Canadian Credit Institute, 184; Chartered Life Underwriters' Association, 186; Certified Public Accountants' Association, 112; preparatory correspondence courses in arts, 138; correspondence courses in upper school and commercial subjects, 186; International Accountants' and Executives' Corporation, 9. Total 6,730. Of these 3,778 were men and 2,952 were women.

Extension Lectures are still popular; 175 of these lectures were given in 35 different centres in Ontario. This is our oldest form of extension service and it is being supplanted to some extent by more continuous instruction but it still has its place. To obtain an accurate estimate of the number of men and women who listen to these lectures is really not feasible, but the total runs annually into many thousands. Lectures were delivered in the following centres in Ontario: Aylmer, Belleville, Bowmanville, Bradford, Chatham, Collingwood, Dundalk, Dunnville, Espanola, Guelph, Haileybury, Hamilton, Hanover, Kitchener, Little Current, Lindsay, London, New Liskeard, Niagara Falls, North Bay, Oakville, Oshawa, Ottawa, Owen Sound, Parry Sound, Peterborough, Port Hope, Port Perry, Sault Ste. Marie, St. Catharines, Stratford, Sudbury, Toronto, Weston and Windsor.

It might have been expected that the numbers enrolled in the pass course for teachers would have decreased sharply with the great and gratifying decrease in attendance in the Normal Schools of Ontario. But such has not been the case. The summer session and teachers' classes, held in the evenings during the winter session, continue to attract almost as many teachers, and others, as in previous years. However, it would seem certain that a decrease must soon come because the available supply is much less than half what it was a few years ago.

The Senate of the University, on the recommendation of the Committee on University Extension, has decided to discontinue summer courses offered to teachers with pass degrees who wish to become "specialists". Such teachers, if they are really in earnest, are advised to spend a year for this purpose in regular attendance at the University, as many now do. The summer courses of this type have never been satisfactory and only one of them is available during the coming summer session. The attendance has never been sufficiently large to justify the time and money expended on these courses.

Evening tutorial classes show a gratifying development. There were 52 of these and the subjects of instruction were: accounting, advertising, air conditioning, art appreciation, art of the theatre, cost accounting, dramatic art, economics, English, French, German, gymnastics, dancing and swimming, industrial and business organization, interior decorating, investments, Italian, journalism, lip reading, marketing, magazine writing, mechanical power transmission, mercantile law, metallurgy, modern international relations, music appreciation, nature study, parent education, philosophy, psychology, public speaking, purchasing, secretarial practice, Spanish, traffic and transportation, writers' workshop, and national and international problems.

That a greater service can be rendered to young men and women in the business world was clearly demonstrated by the success of the class in marketing. Already discussions have taken place in a meeting of the Committee on University Extension, looking toward a development of the facilities for instruction in subjects of value to those seeking to make successful careers for themselves in business.

Through the medium of the Workers' Educational Association classes were conducted in the following centres in Ontario: Brantford, Cornwall, Fergus, Fort William, Galt, Guelph, Hamilton, Kingston, Kitchener, London, Oshawa, Peterborough, Port Hope, St. Catharines, Sault Ste. Marie, Stratford, Toronto, Windsor and Woodstock. The subjects of instruction were: applied psychology, Canadian economic problems, current economic events, current history, development of economic thought, discussion group, economic history, economic theory, English composition, experimental psychology, general psychology, history and development of trade unionism, labour history, literature, philosophy, political science, public speaking, science of society, sociology, and vital Canadian issues.

One important problem remains to be solved. There may be many other problems but one is, at the moment, of paramount importance. Can this University render any service to the farmers of Ontario? If so, what form can such service take? This University would be stepping out of its proper sphere if it undertook to conduct young farmers' clubs and music clubs as is done in one Province of this Dominion or if it led in the formation of co-operatives and credit unions as is done in two or three Provinces. Some voluntary philanthropic organisations in Ontario are endeavouring by means of recreation and by instruction in arts and crafts to arouse an interest in adult education. But can the University sponsor recreation even as a bait for academic education? It would appear not. This department tried an evening tutorial class in elementary economics for young men and women on the farms and it was reasonably successful, with an enrolment of 42 and a well sustained attendance. Will the day come when farmers will spend one evening a week in studying, under competent instructors, English literature, history, international affairs, psychology, or allied subjects? When economic conditions improve, that day may come. At present the demand seems to be for entertainment or for instruction which brings a definite monetary return. In my opinion, that is a field into which the University cannot go. The Canadian Association for Adult Education is wrestling with this problem and may find a solution. There is much talk of "Education for Action", presumably action which will bring about improved conditions on the farms. The University can supply education but it cannot lead in action, whatever that may mean. And, apparently, the kind of education which is at present demanded is not the kind which the University is intended to furnish.

University publicity is closely inter-locked with university extension. During the year news items have been supplied to newspapers and periodicals and these "stories" have been widely used. The exhibit set up at the Canadian National Exhibition, in co-operation with the department of biology and the Royal Ontario Museum, drew continuously many thousands of visitors. The University receives an abundance of the best publicity.

During the year, I addressed the pupils of many Collegiate Institutes, High Schools, and Continuation Schools. The purpose was not to attract more students to the University but rather to outline the courses that are available and to explain how prospective applicants may obtain exact information. If possible, this service should be greatly expanded. The pupils in secondary schools do not know what courses are offered nor for what careers in life training may be obtained. Nor do their parents know. This department has published during the year several bulletins, written by members of the staff of the University, and these bulletins have been distributed to the principals of all secondary schools. If these publications are generally used as they are intended to be used, they should be of great assistance to pupils who are anxious to know what the University offers. But no means can be as effective as the human voice making the explanation and furnishing personal advice.

During the summer months, many parents bring their sons and daughters to me and ask for definite guidance regarding courses. This work requires a great deal of time, for each case must be dealt with individually but it seems to be thoroughly worth while.

(16) REPORT OF THE DIRECTOR OF THE DEPARTMENT OF SOCIAL SCIENCE

(*Professor A. E. Grauer, Ph.D*)

Next year marks the twenty-fifth anniversary of the Department of Social Science, and the quarter century sees it established on firm foundations. The curriculum continues to expand in response to current welfare needs. The growing field of public welfare administration called forth new courses in housing, social insurance, public employment service, and the administration of provincial children's aid. In the last two courses we were fortunate in securing the cooperation of Mr. H. C. Hudson, of the Employment Service of Ontario, and Mr. B. W. Heise, Superintendent of Provincial Children's Aid, and Miss Fleming of his staff. The mental hygiene aspects of the curriculum were strengthened by two courses by Dr. W. E. Blatz, director of the Institute of Child Study. A new option was offered in industrial relations and received a very good reception. The assistance of Professor H. A. Logan of the department of political science, and Professor G. P. Cosgrave of the department of psychology, as invaluable in getting this option off to an auspicious start.

There were no additions to staff, but Miss Agnes McGregor's invaluable role in the development of the department was recognised in her appointment as assistant professor. The enrolment of students in the course showed a sharp increase, the first year class being 45, as compared with 25 in the previous year. These numbers are a severe tax upon the present small staff and seriously raise the question of limitation of enrolment if staff cannot be increased. The full figures for registration are as follows: 46 in first year, 19 in second year, and 24 occasionals.

In co-operation with the department of university extension, two refresher courses in case work of two weeks' duration each were offered for qualified social workers in the field. Both these were given by Mrs. Margaret Millar, Case Consultant in the Cleveland Humane Society, and Field Work Supervisor for Western Reserve University, one in September, the other in April. Both received maximum registration and elicited widespread approval from the social agencies of Ontario. During the Easter term an evening course of eight weekly lectures was given for social workers and board members on problems of social welfare in Canada. This extra-curricular work has proven a decided stimulus to the welfare workers of Ontario and has strengthened the ties between the social agencies and the Department of Social Science.

(17) REPORT OF THE DIRECTOR OF THE SCHOOL OF NURSING

(*Miss E. K. Russell*)

This year has marked the end of the first phase of the life of this School and has ushered in the second. Having opened its doors in 1933 on a trial basis and with only a temporary grant toward support, the school has received during the year a gift from the Rockefeller Foundation of $250,000.00 toward endowment. Thus comes the beginning of a financial independence, and, following the acceptance of the endowment, a commitment to work which shall be permanent in character. In attempting the almost impossible task of meeting the demands laid upon the school, and while working through a year that has tried man's faith and courage to the utmost, we are glad that this annual report gives the opportunity to acknowledge such a generous gift. At no time could appreciation be felt more deeply.

In the six years since its origin, the school has grown rapidly in numbers and in variety of work. Starting with a total of 50 full-time students and 294 occasionals in 1933-34, this year the enrolment reached a total of 115 full-time students and 324 occasionals. Every year further demands have come for new varieties of work, and most of the requests are of the kind that cannot be denied, for they form part of the reasonable growth that follows quickly when an educational institution is able to give much-needed service. The school is serving as a centre for research in nursing education, a centre which seems to be appreciated greatly by the nurses throughout the whole of Ontario. In the present age of extraordinary growth in medical knowledge and practice, nursing schools are being forced to a sudden expansion and development for which they are little prepared. This special school has an opportunity to give special help: through its post-graduate courses it can prepare workers for the other schools, and in its new general training course it has particular freedom to demonstrate new methods. The hope for it is that it will give quiet strength and stability in the midst of the rather excited and uneven development that is being urged upon the profession. And the school should find the way to much better work in the preparation of public health nurses: long and careful study must be given to this problem.

Two members of the staff, Miss Emory and Miss Millman, now give teaching in two other schools of the University, namely, the Social Science Department and the School of Hygiene. In the coming year a third school will be added when students from the Institute of Child Study will receive lectures from the same members of this staff.

During the past twelve months, the students, apart from the Canadians, have come from fourteen different countries, including China, England, France, Greece, India, New Zealand, Japan, Panama, Poland, Portugal, South Africa, Turkey, United States and Venezuela. Some of these came for short periods of observation only, while others remained to do the full work of one or another of the certificate courses.

The needs for the future are as follows. First there should be more capital for endowment to increase the yearly income for the educational work of the school. After that at some future date, funds must be sought for a new building This can wait, but we should keep before us the fact that an adequate building would add very richly to the work of the school, particularly on behalf of graduate students. At present an educational opportunity of great value is being lost in that these graduates cannot live in residence. Students from all over this continent and from many other lands come and go, and yet, relatively, they see very little of each other, scattered as they are in rooming houses. Also a new building could add much strength to the educational work that is being done.

(18) REPORT OF THE DIRECTOR OF THE DEPARTMENT OF MILITARY STUDIES

(*Major M. Barry Watson, B.A.Sc., C.E., M.E.*)

I have the honour to report as follows on the work of this department during the academic year 1938-39.

Although general interest in military affairs was noticeably increased due to the international crisis of September, 1938, the enrolment in this department dropped slightly from the previous year, total registrations being 128, most of which were in the special voluntary classes (Courses 1b and 2b in the calendar).

During the past year, conditions under which university graduates are commissioned in the Regular Army and Air Force have been improved, and about 40 students and graduates made application for such appointments.

It is expected that the recent acquisition of new quarters for this department will not only enhance the value of the work carried on but will increase the interest of the student body in their responsibilities to their country.

The courses of study are being further revised in view of the good results apparent from last year's revisions.

(19) REPORT OF THE UNIVERSITY HEALTH SERVICE (MEN)

(*George D. Porter, M.B., Director*)

1.

The report of the year shows that there have been

Examinations:—

First Year Students	979
Second " "	704
Seniors	797
Total	2480

There were also sixteen re-examined by specialists.

This is the largest number so far examined due to the extra number of senior students coming in for health certificates.

The results of the examinations this year were very satisfactory. The physical condition of a large majority of students is excellent, only twenty being unfit for Physical Training.

This equals last year's very fine record.

Results:

Those found fit for Physical Training	94 %
Those having some disability requiring corrective or light exercises	4½%
Those unfit for Physical Training	1½%

Twenty students were exempted for the whole year for the following causes:—

Heart Trouble	10	Tuberculosis Hip	1
Operations	3	Arrested Tuberculosis	1
Infantile Paralysis	2	Bronchiectasis	1
Fractures	1	Osteomyelitis	1

The average height of our first year students is 5 ft. 9.35 inches, and their average weight 144.8 lbs. A slight loss in height over last year's record, but an increase in weight.

There are 162 first year students 6 ft. and over, with an average height of 6 ft. 1¼ inches, and an average weight of 160 lbs.

Improvement in the physical condition of the second year students is shown in the majority of cases. 26% of those below category A.I. in the first year, had their rating raised during the year, while only 4% in all categories had their rating lowered; these latter were lowered owing to illness or accident during the year. The average gain in weight was 4½ lbs.

The great majority of senior students coming in for re-examination also show improvement in their physical condition.

We find that among the 244, or 44% of the fourth year men who came in for examination, 224 of them either remained A.1. or had improved in health during their college course. Their average gain in weight in the four years was 8¼ lbs. while 20 of them had lost an average of 4 lbs. in weight and had their categories lowered.

We were very fortunate in having no serious outbreak of any infectious diseases during the year, and apart from the usual epidemic of influenza, the general health of the student body has been excellent.

There were 83 students enrolled in the special classes under Mr. Martin, for the correction of postural defects, and for certain disabilities, and 72 others for periods of from one to six weeks on account of injuries, or recent illness, which prevented their taking the regular physical training.

Dr. Charles Gossage again attended to a large number of students for injuries received on the campus, and in the gymnasium, as will be seen in his report to the Athletic Association. His work has proved very satisfactory.

Personal advice to a great many students, and lectures on personal hygiene to those in the first year taking physical training, were given by the Director of Health Service. These were well attended as they have been in previous years.

Lectures on First Aid were also given to the Foresters, and as usual a lecture on the University Health Service was given to the D.P.H. Students.

We have done 115 vaccinations during the year.

We are again indebted to Prof. Andrew Hunter, professor of pathological chemistry, for undertaking the supervision of the uranlysis, in connection with the physical examination of students. These examinations showed that 8.2% of the students had albumin, and 4% had sugar, and these students were written to by the Director regarding the advisability of their seeing their own physicians about it.

We have again arranged for the X-Ray examinations of the mining students, and in this connection are indebted to Dr. Charles H. Hair, medical officer in connection with the mines, for his interest in the matter, and for his advice to the students.

Illness and accidents for which temporary absence from Physical Training were allowed.

Illness:

Colds	209	Jaundice	1
Influenza	133	Myalgia	5
Pharyngitis	17	Neuralgia	4
Bronchitis	7	T.B. Test	17
Laryngitis	9	Vaccination	4
Tonsilitis	5	Transfusion	2
Sinusitis	4	Mumps	1
Gastritis	9	Scarlet Fever	1
Local Infection	9	Hernia	5
Dental Trouble	7	Abscess	3
Epistaxis	6	Otitis Media	3
Migraine	2	Eye Trouble	4
	417		50

Operations

Appendicitis	4	Mastoid	1
Tonsils	3	Hernia	3
	7		4

Injuries

Sprains	48	Abrasions	14
Fractures	6	Contusions	15
Dislocations	9	Cuts	9
Concussions	5	Blisters	9
Burns	4		47
	72		

Skin Diseases

Furunculosis	15	Athlete's foot	3
Scabies	1	Impetigo	5
Eczema	1	Acne	4
	17		12

Total..626.

During the year a very large number of students came into the Director's Office for medical examinations, advice, minor treatments, vaccinations, and medical certificates, Etc. These calls averaged 1065 for each of the winter months.

The Director presented a paper on the University of Toronto Health Service at the International University Conference, which met in Geneva, Switzerland last July. This was published in the Universities Review, November, 1938.

(19) REPORT OF MEDICAL ADVISER OF WOMEN

(*Dr. Edith Gordon*)

II.

I beg to present the report of the Medical Adviser of Women for the year 1938-1939.

Physical Examinations:

Entering women students in University College, the faculties of Medicine, Household Science, Applied Science and Dentistry were examined early in the college year to the number of 216. These students are required to take two periods of physical training weekly. Of this number, 86% were physically fit for the work; 10% were placed in corrective classes because of postural defects; and 4% were exempted from participation in physical training, and required to report to the Medical Office for some substitute. The students from the faculties of Applied Science and Dentistry were excused from physical training because of the impossibility of getting from their respective buildings to the gymnasium in the Household Science building, making the necessary changes in costume, taking the classes, and returning to their own building within the hour. These students reported twice a week to the Medical Office for walks or rest periods, and were given credit for this attendance.

Students from other years in all faculties, and from the other arts colleges, as well as the departments of social science, physiotherapy, occupational therapy, and the school of nursing, reported for physical examinations to the number of 339.

39 women of the graduating class in University College responded to a request to be re-examined in the spring term before graduation. Of these, 28 showed some physical improvement since their initial examination as freshmen; 5 showed no appreciable change; and 6 were in poorer physical condition than on entering college.

All students participating in competitive sports are required to present certificates of physical fitness to the secretary of the Athletic Association. 279 were examined for the various interfaculty and intercollegiate teams. These took part in the sports of tennis, basketball, hockey, badminton, skiing and swimming.

In addition to the physical examinations of the university women, 47 students from the Margaret Eaton School of Physical Training were examined.

Tuberculin Tests and X-Rays:

Entering women students are required to have an intercutaneous tuberculin test, and those who give a positive reaction, an X-Ray. 30% of the entering group gave positive tests. The subsequent X-Rays brought to light one early case of tuberculosis. This young woman is at present in sanatorium undergoing treatment.

I should like to take this opportunity of thanking Dr. Grant of the anatomy department for his courtesy in permitting the X-Rays to be done in his department. This arrangement has been most satisfactory.

Hearing Tests:

The Audiometer, so kindly lent last year by Miss Helen McMurrich for the making of group hearing tests, was again available this year, and 190 tests were made. The students who showed a manifest deficiency in hearing by this test, were retested individually by Dr. Perry Goldsmith. I am indeed grateful for his interest in this problem of detecting early defects in hearing, and his kindness in giving so much of his time to examining this group of 18.

Consultations:

Considerable numbers of students come into the Medical Office constantly for consultation regarding health problems; for treatment for minor ailments; and to report illness. At the time of the initial examination, certain students are asked to report back to the Medical Adviser for reexamination after a stated period. This group needing supervision numbered 69. 23 vaccinations were performed, and 164 urinalyses were made.

In addition to the intercutaneous tuberculin tests, Schick and Dick tests were given the students of the Department in Social Science, and diphtheria toxoid and scarlet fever antitoxin were administered to those showing positive tests.

During the final examinations in May, 55 students wrote one or more papers in the Medical Office. These students were too ill to write in the regular examination halls, and special arrangements were made to have them write under medical supervision.

Lectures:

A course of 25 lectures in Personal Hygiene and First Aid was given to the first year of the Diploma in Physical Education course. Four Health Talks were given to the entering women following the physical examination, and based on their findings. The one on mental health was given by Dr. Ruth Franks. Four lectures on Personal Hygiene were given in the spring term to the students in the Public Health Nursing course.

Needs:

The outstanding need for all women of the University is adequate gymnasium and recreational facilities. It is impossible to stress this too much. The conditions under which games are undertaken prevents all but the greatest enthusiasts from participating in them. Practice courts must be found by the students themselves, and frequently are far removed from the University, and the hours when they are available, are most unsuitable. Healthful recreation cannot be fostered under present conditions, and the women who most need encouragement to learn physical skills are passing from the University without any opportunity for gaining them. Some healthful and pleasureable recreation is the right of each university woman, and the opportunity and equipment should be provided to make this possible. It is to be hoped that another year will not pass without the foundations of the Women's Gymnasium being laid.

Physical Examinations, 1938-1939:

University College (Entering)		178
(Others)	10	
(Graduating)	39	
		49
Victoria College First year	35	
Second "	19	
Third "	1	
		55
Trinity College First year	16	
Second "	7	
Fourth "	1	
		24
St. Michael's First year	9	9
Faculty of Medicine Entering		26
Faculty of Applied Science		4
Faculty of Dentistry		3
Social Science		31
Department Physiotherapy First year	20	
Second "	3	
		23
Department Occupational Therapy	24	
	4	
		28
School of Nursing Undergraduates First year	12	
Others	28	
		40
Graduates		71
Graduate School		71
Music, Art and Special		7
Ontario College of Education		3
		555
Margaret Eaton School	47	
		602

(20) REPORT ON ATHLETICS AND PHYSICAL TRAINING

(T. A. Reed, Mus.Bac., Secretary, Athletic Association)

(1) Men

I beg to submit herewith the report of the activities of the Department of Athletics and Physical Training for the session 1938-39 in which is incorporated the conduct of competitive athletics, both intercollegiate and intramural, entrusted by the Board of Governors to the University of Toronto Athletic Association.

During the session the special committee on physical training, which is composed of the senior members of the Athletic Directorate, discussed at length means whereby the course in physical training could be improved to the advantage of the undergraduates. On the recommendation of this committee our director of athletics, Mr. Warren Stevens, was appointed by the Board of Governors, director of physical education, and he has now been made responsible for the drawing up of the necessary programmes. The instructors, Messrs. Martin, McCutcheon, Winterburn and Zwygard, were in charge of the various classes and continued the work along the usual lines.

The intramural programme inaugurated three years ago again showed a distinct advance, 1813 men participating, out of an enrolment of approximately 3500 eligible male students, or, a percentage of 51.8 of the entire male enrolment This is in addition to the number of students taking part in the various intercollegiate competitions. The intramural sports committee held weekly meetings under the chairmanship of Mr. K. A. Stewart, U.C. IV, and formed a valuable link between the student body and the Athletic Directorate.

A largely increased number of students made use of the gymnasiums and the swimming pool, this being attributed mainly to the continuation of the policy of the Directorate of opening the gymnasium wing during the evenings now made possible by the athletic fee paid by all students. The said athletic fee of $3.00 has enabled the Athletic Directorate to provide many privileges for the student body hitherto not possible. Free admission to rugby and hockey games, the outdoor skating rink, instruction in golf and figure skating and affiliation with golf and riding clubs were responsible for a distinct increase in the number of students taking part.

Physical Training

The number of students in the first and second years taking part in physical training was approximately the same as the previous session, the programme being based on the Danish system of gymnastics with a certain amount of apparatus and mat work included. The enrolment in the University of Toronto Contingent of the Canadian Officers Training Corps, which is allowed as an option for physical training, showed an increase in the popularity of this very valuable form of physical instruction.

Enrolment

Men students in the first and second years	1759	
From third and fourth years (being deficient in previous years)	13	
		1772
From this total must be deducted those:		
(a) With credit for two years physical training but repeating academic work	190	
(b) Exempt on medical and other grounds	40	
(c) Withdrawn from college during the session or registration cancelled	31	
(d) Failed to register	14	
		275

These 1497 first and second year men elected to take their Physical Training as follows:

			1497
In Physical Training classes		1013	
In the Canadian Officers Training Corps	228		
In Special Classes for those physically deficient		71	
In the following Intercollegiate and Interfaculty Sports (part time):			
Rugby	183		
Soccer	47		
Track and Harrier	89		
English Rugby	11		
Lacrosse	58		
Volleyball	141		
Boxing, Wrestling & Fencing	107		
Swimming & Water Polo	88		
Indoor Baseball	157		
Basketball	185		
Hockey	165		
Rowing	4		
Gymnastics	27		
Tennis	1		
Figure Skating	8		
Jui Jitsu	13		
		1284	
		2596	
Less those participating in two or more activities		1099	
			1497

There were twenty class periods each week in the gymnasium conducted by the three instructors, and twenty-nine classes in the swimming pool including the advanced class for those who had progressed beyond the "learn-to-swim" class. 170 awards were granted by the Royal Life Saving Society and 100 men taught to swim. Special classes were held for the 71 men pronounced unfit on medical examination, work being provided that was suitable to their limitations. In addition to these classes Dr. Porter gave a course of lectures on hygiene and artificial respiration which proved to be popular and beneficial.

Intercollegiate Athletics

The University of Toronto again held its own in the various branches of intercollegiate sport, winning the senior championships in tennis, track, English rugby, golf, swimming and diving, gymnastics, boxing and wrestling and fencing. In the senior basketball, there was a triple tie for first place between McGill, Western and Toronto, but on account of the lateness of the season no play-off was held. The following individual championships were also placed to our credit; namely, the McCall Cup in golf won by R. D. Reid; Dent. V; the fencing by A. F. Garcia, Ap. Sc. III; the Neil Buckley for swimming by L. Nelson Earl, Vic. IV; gymnastics by E. S. Macdonald, Med. V; The intermediate championships won were tennis, basketball, golf and harrier.

For the first time in ten years McGill University won the Yates Cup representing the championship in senior rugby, a win that was popular and welcomed by those that are interested in the development of intercollegiate competition.

In addition to competition in the Canadian Intercollegiate Athletic Union our teams entered into competition with players from the United States. In harrier they competed with Buffalo State College and Alfred University; in soccer, Buffalo State, St. Lawrence and Clarkson; in swimming, University of Rochester, Buffalo State, Penn State, Syracuse; in wrestling, Mechanics Institute, Rochester, University of Buffalo, St. Lawrence; in boxing, the U.S. Coast Guard Academy, the U.S. Naval Academy; in fencing, University of Buffalo, Wayne University, Lawrence Technical College, Detroit. These visits not only provide much needed experience in competition but are establishing good-will and friendly relationship with sister universities in our neighboring republic.

Special mention should be made of the trip of the Hockey Club during the Christmas vacation which was conducted on a larger scale than in any previous season. Before leaving they entertained the University of Southern California team at our own Arena and then, proceeding across the Continent, played Gonzaga University at Spokane, Washington; an exhibition game at New Westminster, B.C., and two games with Loyola College, Los Angeles. Returning East to play the American games in the international intercollegiate group, they met McGill and the University of Montreal in New York City in exhibition games, St. Nicholas Hockey Club in Brooklyn and the Boston Olympics in Boston, ending the trip with regular fixtures with Harvard at Cambridge, Mass. and Dartmouth College at Hanover, N.H.

Intramural Competition

The schedule below shows the wide-spread and active interest on the part of the students in intramural competition, a programme which has been materially developed during the past three years. The competition is keen for the many handsome trophies donated by friends of the University. This indicates an increase of 24 teams and 224 students in active competition. The intramural trophy for high points in competition was again won by the Faculty of Applied Science with 4342 points, Trinity College being second with 3327 points and Wycliffe College third with 3158 points. The number of students participating shows a distinct advance over the previous year, there being a net increase of 441 participants.

Series	Name of Cup	Winner	Interfaculty teams	Players
Rugby	Sir William Mulock	Victoria	9	250
Sr. Track	W. L. Rowell Memorial	Victoria		57
Jr. Track		Victoria		71
Soccer	Arts Faculty	Med.	9	158
Harrier	J. Brotherton	App. Sc.		62
Hockey	W. T. Jennings	Trinity	21	321
Basketball	Clifford Sifton	Sr. Vic.	29	411
Lacrosse	Dr. W. A Dafoe	Victoria	13	154
Sr. Boxing, Wrest. & Fencing	Francis Davidson	App. Sc.		31
Jr. Boxing, Wrest. & Fencing		App. Sc.		76
Indoor Baseball	A. G. Spalding & Co.	Dent.	23	392
Sr. Swimming	A. M. Fitzgerald	App. Sc.		34
Jr. Swimming		App. Sc.		62
Individual Swimming	Durnan	G. H. Clawson, U.C.		21
Water Polo	H. P. Eckardt	Trinity	13	159
Indoor Track	Toronto Cricket Club	Victoria		76
Tennis	F. Y. McEachren	B. W. Hall, Vic.		49
Sr. Gymnastics	H. A. Wilson	Victoria		8
Jr. Gymnastics		Trinity		17
Volleyball	Victoria Staff	Wycliffe	23	315
Golf		Dent.		111
Rowing		App. Sc.		30
				2865
Less those participating in two or more sports				1052
Number of contestants				1813

Special Awards

The John C. H. Copp Memorial Trophy was this year awarded to Frank E. J. Sirdevan adjudged the worthiest member of this year's rugby team. The Don M. Barton Memorial Trophy, awarded annually to the gymnast showing the greatest improvement during the year, was awarded to R. O. Brett, Dent. I. The T. H. Bickle Memorial Bursary established by the parents of an outstanding student in the class of '38 was by unanimous decision awarded to L. Nelson Earl of the graduation year of Victoria College.

A handsome bronze trophy was presented this year by the Massey Foundation to stimulate competition in boxing. Under the terms of the award drawn up by the Directorate and approved by the Hon. Vincent Massey, this trophy is to be awarded annually to the outstanding boxer of the year and it was this year awarded to John Jacques Pigott, intercollegiate champion in the 165 pound class, Applied Science III.

The Promenade Symphony Concerts under the direction of Mr. Reginald Stewart now in the sixth year of operations continue to provide exceptional facilities for a large number of citizens to hear symphony concerts at a purely nominal figure. There were 24 concerts given with an average attendance of 4,920, the largest at one concert being 7,462. The construction of the building lends itself admirably in the matter of acoustics and with the extensive seating accommodation aids in providing a unique series of entertainment. Not only do the public benefit but the players themselves participate on a share basis from the proceeds of these concerts which, together with the broadcasting rights, amounts to a considerable sum for each member. The charge for the Arena is kept at the lowest possible figure consistent with maintenance and overhead charges and it is a matter of pride that the University of Toronto can thus render such a valuable contribution to the musical life of the community.

The Athletic Directorate

The Athletic Directorate for 1938-39 consisted of Dr. J. A. McCollum (President), Professor T. R. Loudon, Professor S. Beatty, Dr. W. Easson Brown, Messrs. J. P. N. Holden (Vice-President), C. C. Gray, E. S. Jarvis, W. T. McGregor, D. W. Morison, W. C. Schwenger, and *ex officio,* Dr. G. D. Porter, medical director, Warren Stevens, director of athletics and T. A. Reed, financial secretary.

(20) REPORT OF THE DIRECTOR OF THE DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN

(*Miss I. G. Coventry*)

(II) Women

During the academic year 1938-39 there were 252 women students registered in the physical education classes and approximately 506 class periods of instruction were given by the physical director and her assistants Miss J. M. Forster and Mrs. M. Graham.

Required Physical Training: The required physical training class with an enrolment of 214 students was subdivided into ten class periods a week. This plan, as formerly, assisted principally in accommodating the students who presented varied academic time-tables and it also lessened congestion in the one small gymnasium and overcrowded dressing-room quarters.

The students enrolled in the regular classes were required to take final tests in general gymnastics and corrective exercises at the end of the session. The annual report of these examinations including the class attendance results of the students was submitted to the Registrar of the University.

Corrective and Remedial Classes: Class periods of corrective and remedial gymnastics were given to the students who were medically advised to take the special course arranged for their benefit and welfare. This essential part of health physical training was personally supervised by the director. When satisfactory results were obtained it enabled the students to return to the regular classes before the end of the second term.

Number of students from University College	188
" " " " Faculty of Medicine	6
" " " " " " Applied Science	3
" " " " " " Household Science	12
" " " " " " Dentistry	5
	214

Swimming: There were 270 students from all colleges, faculties and departments, and approximately 325 periods of instruction in elementary and advanced swimming and life-saving given by Miss A. Cochrane and Mr. A. L. Cochrane during a session of 7 months.

Number of students from University College	143
“ “ “ “ Victoria “	49
“ “ “ “ Trinity “	4
“ “ “ “ Faculty of Medicine	6
“ “ “ “ “ “ Household Science	13
“ “ “ “ School of Nursing	1
“ “ “ “ Faculty of Applied Science	5
“ “ “ “ Physical Education Course	24
Administrative Staff	25
	270

Four Year Diploma Course in Physical Education (with the Pass Arts Course): There were 24 students registered in this course and approximately 176 class periods of lectures and theory, and 274 class periods in practical subjects were given during the college years.

The women graduates who have been granted the diploma in physical education by the University of Toronto continue to be appointed physical directors or instructors in the Ontario schools.

(20) REPORT ON ATHLETICS FOR WOMEN

(Miss A. E. M. Parkes)

III.

I beg to submit the report on Athletics for Women in the University of Toronto for the year 1938-39.

The year has been most satisfactory both from the competitive and recreational viewpoints, although there has been no great increase in the number taking part in the various forms of sport. The Athletic Directorate much regrets that it has not been in a position to encourage the participation of more students in such sports as basketball, badminton, indoor baseball and swimming, due to lack of adequate gymnasium and pool accommodation, and in tennis in University College particularly where no courts are available.

In the intercollegiate field, the women of the University enjoyed their most successful year since intercollegiate competition was begun, winning the championship in all four regular leagues, tennis, badminton, swimming and basketball. The latter afforded particular satisfaction as it brought back to Toronto the much-prized “Bronze Baby” after an absence of five years. Undoubtedly the success of this team was largely due to its coach, Miss Beatrice Longley, Vic. '34, now in charge of physical education at Humberside Collegiate, who gave so generously of her time and experience throughout the season. An intermediate basketball team was also formed which gave an additional number of students the benefit of outside competition. An invitation from the Women's Ski Club of McGill University was received for a Toronto team to enter an international intercollegiate meet at St. Sauveur, Que. Three of our outstanding skiiers were able to make this trip, by permission of the Women's Athletic Directorate, and in spite of stiff competition, returned with the trophy denoting first place.

A very successful intramural programme was carried through in most of the sports, including tennis, golf, indoor baseball and basketball in the fall, and hockey, badminton, swimming and bowling in the winter term. A group of approximately twenty-five made use of the figure-skating instruction available at the Stadium under the athletic fee, and a larger number even than last year took advantage of the other facilities provided for skiing, riding and golf.

INTRAMURAL COMPETITIONS

Sport	Trophy	Winner	Competitors
Tennis	Curlette Cup	Victoria	36 (6 teams)
	Univ. Champion	Claire Walsh, Vic. IV	
Golf	Univ. Champion	Marion Walker, U.C. I	30
Baseball	Univ. Coll. Cup	Victoria I	28 (3 teams)
Basketball	St. Hilda's Cup	Univ. Coll. Jrs.	145 (13 teams)
Hockey	Harston Cup	St. Hilda's	68 (5 teams)
Badminton	Badminton Cup	St. Hilda's	36 (6 teams)
	Univ. Champion	Mary Becker, St. H.'s IV	
Swimming	Interfaculty Cup	Physical Education	40
	Univ. Champion	Margaret Bailey, Vic. IV	
Bowling	Univ. Champion	Ruth Publow, Vic. II	40

Students taking part in one or more of the above activities were registered in University, Victoria, Trinity and St. Michael's Colleges, the Faculties of Medicine and Household Science, the School of Nursing and the Departments of Social Science, Physical Education, Occupational Therapy and Physiotherapy.

The Athletic Association has greatly appreciated the voluntary coaching given in basketball, hockey and baseball by various graduates and undergraduates, several of whom were registered in the College of Education. The unfailing cooperation of the men's Athletic Association has once more been of the greatest value to the women as has the continued helpfulness of the Superintendent's Office in the matter of the parking stations operated during the football season.

The Women's Athletic Directorate for 1938-39 consisted of Dr. C. C. Benson, President, Mrs. W. A. Kirkwood, Mrs. W. B. Elsley, Dr. E. H. Gordon, and the Misses J. M. Forster, M. H. B. Bailey, M. M. M. Conlin, E. J. McMaster, O. M. Mulhall, M. M. Pickering and H. M. Scott, and Miss A. E. M. Parkes, secretary-treasurer.

(21) REPORT OF THE WARDEN OF HART HOUSE

(*J. B. Bickersteth, Esq., M.C., M.A.*)

THE ROYAL VISIT

The outstanding event of the year and the most memorable in the history of Hart House was the luncheon given in the Great Hall on Monday 22nd May in honour of Their Majesties the King and Queen by the Lieutenant-Governor of Ontario and the Executive Council of Ontario. The use of the Great Hall was willingly granted to the Government for this purpose and the duty of the University and of Hart House was to follow the instructions of the Government committee which was in charge of all plans for the royal visit to Toronto and to do their best to see that the arrangements were satisfactorily carried out. The total number of guests attending the luncheon, including Their Majesties and their staff, was 479. Except for a cluster of flags over the doors by which the King and Queen entered and left the building there were no decorations inside or outside Hart House. Their Majesties arrived at Hart House at 1.10 p.m. by the south-west door, being met by the President of the University and Mrs. Cody and by the Warden of Hart House, and after signing the Visitors' Book proceeded to the Great Hall by way of the quadrangle accompanied by the Lieutenant-Governor and Mrs. Albert Matthews and Mr. Mackenzie King. His Honour the Lieutenant-Governor of Ontario presided at the luncheon and proposed toasts to His Majesty the King and Her Majesty the Queen who sat on either side of him. There were no speeches. The King sat immediately under the royal arms. Music was supplied by the band of the Seventh Toronto Regiment, Royal Canadian Artillery, which was stationed at the east end of the quadrangle. After a short rest Their Majesties with their staff and those in attendance left Hart House at 2.25 p.m. by the upper south-west door. Both the King and Queen gave frequent proof that they thoroughly understood the idea underlying Hart House and expressed regret that lack of time made it impossible for them to make a thorough inspection of the building. Any success the luncheon enjoyed is in large measure the result of the excellent arrangements made by the Comptroller who managed this singularly complicated function with outstanding efficiency.

GENERAL

The total number of undergraduate members of Hart House for the past year was 3728 (excluding summer members) and the senior members (including faculty and graduate) was 766, making a total of 4494. There has been a substantial increase in the graduate membership which is a tribute to the Graduate Committee and to Mr. H. J. Sissons, Secretary of Hart House, who with the co-operation of Mr. T. A. Reed and Mr. J. E. McCutcheon has been able to arrange in the evenings many athletic activities which have appealed to graduates of all ages. In the first few weeks of term Hart House was used for many dinners and receptions for freshmen. Other dinners held in the Great Hall were the Hart House Committees Dinner, the School Dinner, the Commerce Club Dinner, the Warden's Christmas Dinner (to all undergraduate members of Hart House who cannot return home at that season), the Engineering Alumni Dinner and the University of Toronto Athletic Association Dinner. The usual number of dances were held in the building. This year for the first time the All University Fall Dance took the place of the Masquerade and was held in October, some 1650 people being present. This experiment proved extremely popular and will probably become a regular event. The proceeds of the dance have been spent in installing two specially designed lamps on either side of the south-west door of Hart House. St. Michael's College held an official dance for the first time in the history of the college and this took place in January and was a great success. The U.C. Follies, School Night and Alumni Night again drew huge crowds. The House entertained the men and boys of the University Settlement at a party just before Christmas and on the last Sunday in October the House was thrown open to the general public and many hundreds took the opportunity of inspecting the building. The Great Hall under the administration of Miss M. E. Ransom showed a substantial increase in attendance and the management of all dining-rooms in the House appears to have given general satisfaction to both undergraduate and senior members. The tuck shop has also shown a steady rise in business. Increasing use has been made of the barber shop which was redecorated during the preceding summer. In November the lighting system of the House with the exception of the Great Hall department was transferred from direct to alternating current.

ART

For nineteen years art classes have been held in Hart House for any members who desire to attend them. Mr. H. S. Palmer who has directed these classes for the past seven years wished last fall to be relieved of his duties and the House is deeply grateful to him for the admirable instruction he has given to several generations of students. His place was taken by Mr. Gordon Webber who conducted classes in the art gallery and also in the arts and crafts room, the latter being chiefly used as an experimental laboratory. Projects of three-dimensional character in different media of clay, wire, paper, etc., were developed The art class provided the decorations for the C.O.T.C. Ball. An outstanding feature of the exhibitions in the gallery this year was the fact that four of them were given by members of Hart House, namely (1) the exhibition of work done by undergraduates in their spare time without any direct supervision, (2) the annual exhibition of work by senior members of Hart House for which more pictures were submitted than ever before, (3) the annual exhibition of photography which as usual was of high standing, 185 prints being submitted and 115 hung, and (4) an exhibition of work done in the art classes. Thus for eight or nine weeks there hung on the walls of the gallery work done by members of Hart House which in itself is proof of the way in which members are using their leisure in painting and drawing. Other exhibitions were arranged by Lawren Harris Jr., Charles Goldhamer, Clarence Chong, Lemoine FitzGerald, Professor M. S. Osborne, Goodridge Roberts, Kathleen Daly and George Pepper. Whenever possible the artists have been invited to speak about their own pictures and the large attendance at these discussions indicates that they fill a real need. Exhibitions of prints were arranged in the print room throughout the year. The Graduating Year presented "Ice Harvest" by Henri Masson to the House. Eleven pictures were selected from the Hart House collection for "The Century of Canadian Art" exhibition held in the Tate Gallery in London from October to January. This was the most important all-Canadian exhibition ever held in London and Hart House was the third largest exhibitor. Two pictures were lent by the Faculty Union, making a total of thirteen in all from this building. Three pictures have been lent to the California World's Fair and two to the New York World's Fair. Hart House owns fifty-six pictures and the fact that eighteen pictures from Hart House should have been chosen from these important exhibitions is in itself a tribute to the value of the collection of Canadian paintings which the Art Committee have been building up for many years.

MUSIC

As has always been the case since their inception in 1922 the Sunday Evening Concerts proved extremely popular. Programmes were given by the Hart House String Quartet, J. Samoloff (pianist), George Lambert (baritone) and Dr. Frederick Silvester (Hammond organ), Norman Wilks (pianist), Emmy Heim (mezzo-soprano) with Sir Ernest MacMillan at the piano, Margaret Brown (pianist), the Hart House Glee Club with George Lambert and the Pipes Group and Viggo Kihl (pianist). The Friday Recitals which are attended by members only drew a steady attendance of music lovers. Those who appeared at these recitals were Sir Ernest MacMillan (pianist) and Elie Spivak (violinist), Wilma Stevenson Dohler (pianist), Reginald Heal (tenor), Viggo Kihl (pianist), the Canadian Hambourg Trio, Fredda Bradley (violinist), Muriel Donnellan (harpist), Jeanette Caille (pianist), Frances James (soprano), Dr. A. M. Walter and a group of Upper Canada College boys with recorders, Frankish Styles (pianist), Harvey Seigel (violinist), Marguerite Homuth Craigie (soprano), Margaret Oliver (pianist) and Stephen Kondaks (violinist). It is interesting to note that Frankish Styles is an undergraduate member of Hart House. It is all too seldom that members of Hart House are capable of giving these recitals and it was therefore particularly satisfactory that Mr. Styles was able to provide the programme on that occasion. Mr. J. Campbell-McInnes directed the Songsters for the twelfth year in succession. These provide a valuable opportunity for men to make themselves familiar with folk music. The sing songs under Mr. Ross Workman proved as popular as ever. The kindness and generosity of all the musicians who make the musical life of Hart House possible is deeply appreciated. Under the able direction of Dr. Charles Peaker the Glee Club have had an extremely successful year. On the last Monday before the Christmas vacation began the club gave a carol programme at lunchtime in the Great Hall and as a result of an audition by the C.B.C. on that occasion gave on the following day a coast-to-coast broadcast for a quarter of an hour. The Great Hall was full of undergraduates having lunch and for two minutes before the singing began an official C.B.C. announcer described the general setting of the hall. The programme which consisted of carols was much appreciated by the large circle of listeners. Besides the Sunday Evening Concert in February the club gave several other concerts in Toronto and also appeared at Alumni Night. At the present time the club consists of ninety active members and is administered by the Glee Club Committee which is directly responsible to the Board of Stewards. Two years ago Professor H. R. Kemp organised a group of members who desired to make bamboo pipes and then learn to play them. Last fall more men joined the group and with the help of Professor Kemp, to whom Hart House is extremely grateful for the time and trouble he so willingly took, spent some weeks making their instruments. Regular rehearsals began in January under the direction of Mr. Weldon Kilburn and the group gave creditable performances at the Glee Club concert in February and also at Alumni Night. The Music Committee again co-operated in the arrangements for the production of Bach's St. Matthew Passion which took place in Convocation Hall in Holy Week under the direction of Sir Ernest MacMillan. A larger number of undergraduates than ever before attended this performance.

LIBRARY

Owing to the generosity of the Massey Foundation new shelves were installed in the library alcove this spring. This additional accommodation has done much to ease the pressure on shelf space for some years to come. Mr. Vincent Massey was instrumental in procuring for Hart House one of the small upholstered chairs used by those attending the Coronation service in Westminster Abbey. This has been placed in the library. The Library Committee gave serious attention to the lighting of the library and the reading-room which is thoroughly unsatisfactory and a new system should be installed as soon as the funds are available. About 115 books were added and many old books weeded out. Two "Library Evenings" were held, Mr. Bertram Brooker and Professor Gilbert Norwood speaking on their leisure reading.

DEBATES

Although there are signs that the interest in debating not only in Hart House but throughout the University is not as keen as it was some years ago there has never been lacking at Hart House debates an adequate number of speakers from the floor of the House and this perhaps is more important than large attendances. The resolutions at the five debates held this year dealt with Mr. Chamberlain's foreign policy, the maintenance of the British Empire, fraternities, the administration of the City of Toronto and federal-provincial relations. At the last debate the Hon. Norman Rogers, Minister of Labour, was present and wound up the discussion.

STUDENT CHRISTIAN MOVEMENT

The work of the S.C.M. has probably never been more extensive nor more valuable than has been the case during the past year. The outstanding event was the "Religion and Life Week" held from Sunday 5th to Friday 10th March. Dr. Howard Thurman, Professor of Theology at Howard University, Washington, D.C., spoke in Convocation Hall on the Sunday and on the following days gave five addresses at 5.15 p.m. in Wycliffe Hall. On each occasion large audiences heard Dr. Thurman deliver an effective challenge to undergraduates to accept Christianity as the guiding principle of their lives. Many other meetings were held during this week in the colleges and faculties and there is no question that this experiment which in actual fact amounted to a University mission has had a wide effect in developing a deeper sense of the religious life among a large number of undergraduates. The series of midday addresses held on Wednesdays in the music room attracted an average audience of 75 to 100 men throughout the winter. A well attended study group on "Youth and Marriage" met in Hart House under the Rev. J. D. Parkes up till Christmas. Outstanding speakers from England, Africa, India, China, Japan and other countries addressed undergraduate meetings in Hart House throughout the year. The Chapel in Hart

House was full on the six occasions that the Holy Communion was celebrated. The renovation of the Chapel which has been in progress for several years is now complete. Specially designed chairs have taken the place of the somewhat unsightly pews, a new carpet has been procured, the lighting system has been entirely changed, murals by Will Ogilvie cover the upper part of the walls above the panelling, all woodwork has been toned and two 15th century Florentine candlesticks together with a specially designed frontal and a curtain in place of a reredos are additional furnishings to the altar. All these improvements have been carried out with the personal assistance of Mr. and Mrs. Vincent Massey and their entire cost has been borne by the Massey Foundation. The S.C.M. and all members of Hart House are deeply indebted to Mr. and Mrs. Massey not only for the interest they have taken in these improvements in the Chapel but also for their practical support of the S.C.M. in other ways.

THEATRE

The theatre has been extensively used by university dramatic organisations. The U.C. Players Guild, the Victoria Dramatic Society and the St. Michael's Dramatic Society have all produced plays this season and the Victoria Music Club gave four performances of "H.M.S. Pinafore." The University Drama Festival took place at the end of February when Trinity, Victoria and University College entered plays, the award being given to Trinity College. The University Drama Committee produced "Holiday" drawing the cast from members of the various college societies. This play was considered worthy of being entered in the Drama Festival which took place throughout the third week in March. The Faculties of Engineering, Medicine and Dentistry also made use of the theatre as did the Shakespeare Society, the University College French Club and the Alliance Francaise. Mr. Willard Thomson and his staff have given the fullest co-operation throughout the season.

VISITORS

In addition to Their Majesties the following persons are among the large numbers who have visited Hart House during the past year: Lord Stanley (Secretary of State for Dominion Affairs until his death in October 1938), Peter Scott (artist), Mrs. Arthur Grenfell, Sir Cedric Hardwicke, Viscountess Mersey, Sir Firozkhan Noon, L. deG. Sievking (B.B.C.), Miss Grace Hadow (Oxford), Lord Middleton, Fuad Mufarrij, Professor A. J. B. Wace, Leonard Brockington (Chairman of the C. B. C.), the Hon. Norman Rogers, Dr. Frank Aydelotte, Sir David Ross, Dr. Roscoe Pound, the Rev. Canon Charles Raven (Master of Christ's Church, Cambridge), Sir Gerald Campbell, Andre Maurois, the Hon. Mark Kearley, Maurice Genevoix (novelist), Lord and Lady Baldwin, Sir Geoffrey Fry, Colin Gilray (Melbourne), R. S. Lambert ("The Listener") and Lt.-Commander Peter Dawnay. The members of Their Majesties' staff who lunched in the Great Hall were: Mr. A. F. Lascelles, Captain Michael Adeane, The Earl of Airlie, the Earl of Eldon, Lady Nunburnholme, Lady Katherine Seymour, Lt.-Colonel the Hon. Piers Legh, Commander C. Abel-Smith R.N., Surgeon Captain H. E. Y. White R.N. and Mr. George F. Steward.

COMMITTEES AND STAFF

The Board of Stewards and the Standing and Special Committees have met regularly throughout the year and any success that Hart House may have enjoyed is the result of the wise and enthusiastic direction they have given to its affairs. Senior members of these committees, both faculty and graduate, have once more laid the House under a great debt of gratitude by the active support which they so willingly give. Professor C. Lewis, Professor H. R. MacCallum, Mr. W. H. Bilbrough, Mr. J. L. Stewart and Mr. E. A. Ricker are retiring this year from the library, Art, House, Debates and Glee Club Committees respectively and Hart House is extremely grateful for the valuable contribution they have made to the life of the House. Mr. C. R. Delafield accepted a position with the C.B.C. after six years of admirable work as secretary of Hart House and Mr. H. J. Sissons, a graduate of Victoria College, was appointed in his place. Mr. D. L. Emond, assistant secretary of Hart House, having decided to continue his studies at Rochester University, was succeeded by Mr. E. A. Wilkinson, also a graduate of Victoria College. Mr. Emond who served Hart House as a member of the staff for twelve years is greatly missed. There has been the closest co-operation with the Athletic Directorate and the Students Administrative Council and Hart House owes much to Mr. T. A. Reed and Mr. E. A. Macdonald.

Finally the Warden desires to place on record his sense of profound gratitude to the Comptroller and the Assistant Comptroller of Hart House as well as to Professor H. Wasteneys and all senior members of committees for the way in which they carried on his work as well as their own during the year 1937-1938 when he was absent from Hart House for twelve months owing to ill health.

(22) REPORT OF THE DIRECTOR OF THE CONNAUGHT LABORATORIES

(*R. D. Defries, M.D., D.P.H., Acting Director*)

It is a great regret that, owing to his being temporarily absent on account of illness, Dr. FitzGerald is deprived of the pleasure of recording the activities of 1938-39 which mark the completion of the first twenty-five years of the work of the Connaught Laboratories. It was between September 1913 and April 1914 that Dr. FitzGerald founded and established the Antitoxin Laboratory which eventually became known as the Connaught Laboratories; and his original expectation that the University of Toronto would assume responsibility for this undertaking was realized on May 1, 1914, when the University officially took over the laboratory which he had established. Resulting from Dr. FitzGerald's vision and leadership during these years are the Connaught Laboratories as they stand to-day.

During this quarter-century, Dr. FitzGerald has given himself to the development and maintenance of facilities whereby the essential life-saving serums and vaccines might be made readily available throughout Canada to every person needing them, particularly through the provincial departments of health. This undertaking has involved not only the preparation of products of the highest quality but also their distribution at prices which would permit governmental authorities to undertake their distribution. Important as these objectives have been, they have not overshadowed the primary objective of conducting research. From the commencement of the work in the University, Dr. FitzGerald believed that the members engaged in the work of the Laboratories should also, as far as possible, be associated with the teaching of preventive medicine. The Connaught Laboratories and the School of Hygiene as constituted today are tangible evidence of the wisdom of this plan. That the School of Hygiene was established and endowed at the University of Toronto with the munificent aid of the Rockefeller Foundation reflects an outgrowth of the intimate relationship which Dr. FitzGerald foresaw between the conduct of research in preventive medicine in all its branches and the provision of suitable facilities for post-graduate instruction in public health. From the inception of the work of the Connaught Laboratories, the services of the Laboratories have been available to all of the provinces and territories of the Dominion of Canada. These services find ready acceptance and appreciation with the result that the Laboratories have always operated as an institute of medical public-service for the whole of the Dominion. The establishment of the Western Division of the Laboratories in the University of British Columbia in 1935 for the study of research problems which could most advantageously be undertaken in Western Canada provides an illustration of the Laboratories' functions in serving the Dominion's needs.

Section of Bacteriology and Immunology

Under the direction of Professor Donald Fraser, a number of important investigations have been continued and certain projects initiated. Of special importance are the studies which have been continued relating to the immunity conferred by diphtheria toxoid. Since the commencement of the distribution of this product for the protection of children against diphtheria, sufficient toxoid for the protection of 3,500,000 persons has been distributed by the Laboratories. The immunity studies referred to relate to the determination of the duration of the immunity and to other essential factors. One of the studies relates to a group of 200 children, observations having been made each year since the group was immunised in 1934. The results of this study show the effectiveness of diphtheria toxoid given in three doses. It has provided accurate information concerning the gradual loss of protection which occurs. Because of this fact, the recommendation is being made that an additional small dose of diphtheria toxoid be administered after an interval of four or five years. Through the co-operation of the medical officers of health of Toronto, Hamilton, and St. Catharines, observations were made of children who had received diphtheria toxoid five years ago. Approximately 500 children have been studied and important information obtained supporting the observation that an additional dose of diphtheria toxoid should be given to children immunised in early childhood within an interval of five years. Such observations relate to municipalities where the incidence of diphtheria is low and the immunity is not augmented by exposure to diphtheria infection. Dr. A. R. Foley and Dr. P. Poliquin of the Ministry of Health of Quebec have co-operated in this undertaking.

Dr. Helen Plummer has reported on the preparation of perfringens toxoid, the purpose of which is to confer immunity against gas gangerine. The occurrence of tetanus and gas gangerine among troops in time of war presents a serious problem. The value of tetanus toxoid for conferring immunity against tetanus has already been established. During the Great War, prophylactic injections of tetanus antitoxin were used to prevent the development of tetanus. Since then, the development of tetanus toxoid which would confer immunity has been demontrated and would probably be used to confer protection. Further studies are being made by Dr. Plummer regarding tetanus toxoid.

Dr. Frieda Fraser has made further progress in her researches in the immunisation of children against scarlet fever. The value of certain observations made by the Scarlet Fever Committee in the United States are being studied. Dr. Plummer and Dr. Fraser are continuing their studies of the antitoxin content of the sera of children immunised against scarlet fever. Further work has been conducted in isolating, grouping, and typing field strains of haemolytic streptococcus.

Dr. M. H. Brown has extended his investigation of the Salmonella group of micro-organisms and has received cultures from laboratories in various parts of Canada. To permit of the identification and classification of micro-organisms of this group, international action has been taken and a centre of study established in the Danish State Serum Institute in Copenhagen. Through this international centre, standard sera and cultures are being made available to national centres established in various countries. The Connaught Laboratories has accepted the invitation to act as the national centre for Canada. During the year, 828 cultures have been received from various parts of Canada and studied. No new types have been found. Valuable information is being obtained concerning the relative incidence of paratyphoid alpha and beta. Such information has definite practical value in determining the composition of the protective vaccine for the prevention of typhoid and paratyphoid fevers. As a result of observations made by Dr. James Craigie of these Laboratories, modifications of the method of preparing typhoid-paratyphoid vaccine are being carefully studied and as a result of these observations, preparation of a serum for the treatment of typhoid fever is being investigated. In the field of tuberculosis, studies have been continued in tuberculin testing. In co-operation with the Department of Health of Ontario, observations have been made and a special dilution of tuberculin has been made available for distribution in Ontario. Observations have also been made on the value of the newly introduced patch test which obviates making a hypodermic injection in children in carrying out the tuberculin tests.

Dr. Ronald Hare has progressed in his researches on influenza virus. The antigenic analysis of different strains of influenza virus, employing both serological methods and active immunisation, has been continued. Experiments have also been continued on the passive immunisation of mice infected with influenza virus. By means of suitable serum tests, the changes in the immunity of a group of persons living in Toronto are being followed. These persons have been studied since January 1937 and have been observed through two outbreaks of influenza. There is evidence that the immunity rises after infection and falls realtively quickly.

Active work has been continued by Dr. L. Farrell and Mr. R. J. Wilson in the investigation of staphylococcus toxin and antitoxin. In co-operation with the Hospital for Sick Children and the Toronto General Hospital, more than 600 human sera were studied as relating to the presence of staphylococcus antitoxin. Methods for improving staphylococcus toxoid and antitoxin are being developed. During the year, three outbreaks of staphylococcal food-poisoning involving more than 150 persons in Hamilton, Ontario, have been investigated. The studies made have indicated the character of such outbreaks and it is recognised today that such poisonings are probably much more frequent than had been thought previously.

Dr. Nelles Silverthrone has continued his important studies relating to the protection of children against whooping cought by using whooping-couch vaccine prepared from freshly isolated cultures. Extensive clinical observations are being made in co-operation with the Hospital for Sick Children, Toronto. In co-operation with the hospital also, clinical observations have been made which have indicated the value of a serum prepared by him for use in the treatment of patients suffering from influenzal meningitis. Studies relating to the important problem of human carriers of meningococci have been continued and valuable data obtained.

Section of Chemistry in Relation to Hygiene

Under the direction of Dr. P. J. Moloney, studies of diphtheria toxoid and Schick-test toxin have been continued, as well as the investigation of the detoxifying power of bile. Mr. M. D. Orr has studied intensively a number of problems concerning alum-precipitated diphtheria toxoid. He has been able to show a relation between concentration of alum and antigenicity of alum toxoid. The stability of alum-precipitated toxoid has also been investigated, fifteen different lots having been observed for three years. Certain difficulties relative to the preparation of alum toxoid from Taylor broth toxoid have been investigated and overcome. Dr. Edith Taylor has prepared a new Schick toxin which is more suitable for the Schick test than the toxins heretofore used. This product has been made available for general use. Investigation has also been made of the Taylor broth for the growth of diphtheria bacilli and for the preparation of a potent toxin. Dr. Moloney and Mr. Orr have continued their studies of the detoxifying effect of bile on diphtheria toxin and of the possibility of recovery of the "labile" and "stable" factors from bile samples. Mr. A. Birks, under Dr. Moloney's direction, has investigated the purification of the "stable" factor associated with the detoxifying mechanism in ox bile.

Section of Viruses

Continued progress has been made under the direction of Dr. R. D. Defries. Dr. James Craigie has continued a detailed study of vaccinia virus. Further investigation of the serology and immunology of this virus has been concerned mainly with the antibody present in the blood of immune animals which neutralises the virus. The main obstacle to further work on this important antibody arise (*a*) from the complexity of vaccine virus which produces other antibodies as well when infection occurs, and (*b*) the present lack of any practicable and accurate method of measuring vaccinia neutralising antibody. The chief difficulties involved in titrating this antibody by the intradermal method are due to (*a*) the difficulty of titrating the infectivity of the virus with a sufficient degree of accuracy, (*b*) the failure of the immune serum to neutralise 100 per cent. of the virus exposed to it, and (*c*) the local passive immunising effect of strong concentrations of antibody at the site of inoculation which thus obscures the percentage of virus which has escaped neutralisation *in vitro*. Dr. Craigie, and Dr. A. S. Lazarus under the direction of Dr. Craigie, have been engaged in attempts to elaborate a practicable method of titrating vaccinia neutralising antibody which will adequately circumvent these difficulties. Dr. Lazarus has also been engaged in a parallel study of neutralising antibody using the chorio-allantoic membrane of developing chick eggs for the titration of residual virus.

In connection with the histological study of vaccinia infection, Dr. Craigie has improved his methods of demonstrating intracellular vaccine virus in fixed tissue sections and devised a staining method in connection with ultra-violet photomicrography. Important findings have been recorded as a result of the introduction of this method. Dr. Craigie has been successful in developing a specific complement-fixation reaction with rabies virus. This gives encouragement in the development of methods for the titration of specific *in vitro* reactions with other neurotropic viruses. He has continued to extend his observations on Vi phages of *B. typhosus* and his findings in regard to the occurrence of specific types of byphoid bacilli are attracting much attention.

Studies of rabies virus have been continued by Dr. Defries. The tissue culture studies of rabies virus have been facilitated greatly by the development of the complement-fixation test by Dr. Craigie, permitting the rapid identification of the presence of virus. The limitations of the present method of preparation of the rabies preventive treatment are recognised and study is being made of methods for the improvement of the vaccine used.

Dr. N. E. McKinnon and Dr. Mary Ross continued studies of mortality in the older age-groups and have published their findings concerning the trends of mortality in heart disease and cancer. Dr. McKinnon has also published a careful analysis of the mortality from heart disease, discussing the subject from the standpoint of public health. Dr. Defries, Dr. Ross, and Dr. A. H. Sellers presented the findings of a survey of diabetes deaths in Ontario. A statistical study of the incidence of venereal diseases as reported by the various provinces was conducted by Dr. M. F. McGavin with the object of obtaining a greater degree of uniformity in the statistical returns of these diseases. An analysis of expenditures in public health by all municipalities in Ontario was undertaken by Dr. Defries and Dr. L. E. Ranta. This study is being continued and data are being obtained which are of great value in the discussion of public health administration. Dr. Mary Ross has collaborated with Dr. D. T. Fraser and Dr. McKinnon in further studies of the protection afforded to children against diphtheria by the use of diphtheria toxoid.

Section of Physiological and Biochemical Researches

During the past year, research work has continued on Insulin. Dr. A. M. Fisher has investigated many problems connected with the routine preparation of Insulin. Mr. R. G. Romans, Dr. A. M. Fisher and Dr. D. A. Scott have been engaged in the development of a process for the regular routine preparation of large quantities of zinc-insulin crystals. Dr. Scott has continued the researches pertaining to the chemistry of Insulin. Among the problems investigated have been the action of ammonia on alcoholic solutions of Insulin, and the action of aldehydes and acetone on Insulin. Other research work has involved the study of the efficacy of various solvents in the extraction of Insulin from the pancreas. Arising out of microscopic examination of Insulin crystals, Dr. Scott and Dr. J. Craigie have prepared a moving picture film showing heretofore unpublished findings on the form of the crystals.

The work on heparin and thrombosis has been extended and it can now be shown that the large mural thrombi, i.e. masses of blood cells on the inside of the chamber of the heart, can be produced at will in dogs and this formation can be completely prevented by the administration of heparin. This work is an extension of that reported last year, the results of which showed that coronary thrombosis in dogs could be completely prevented by heparin. These problems have been studied by Dr. D. Y. Solandt, Dr. Reginald Nassim, and Dr. C. H. Best.

A new research initiated in the department of physiology and carried on in part in the department of physiological hygiene, has been the study of the effect of diet upon the Insulin content of pancreas. Diets rich in fat cause a very marked lowering of the Insulin content of the pancreas of rats. This is a particularly interesting observation which opens up the whole field of the relation of diet to the hormone content of glands. Dr. R. E. Haist, Miss Jessie Ridout and Dr. Best have conducted these experiments.

Dr. D. L. MacLean and Dr. Ruth C. Partridge have continued their investigations on ventilation and have studied the factors concerned in acclimatisation. Dr. MacLean has been responsible for a great deal of the histological work on coronary thrombosis and intramural thrombi. He has just finished a study of the tissue changes occurring in ascorbic acid deficiency in guinea-pigs. This was part of a study of vitamin C deficiency made by Dr. E. W. McHenry and Miss Margaret Sheppard. During the past autumn and winter, Dr. MacLean has been in large part responsible, under Dr. D. T. Fraser, for the tuberculin testing and immunisation against diphtheria, scarlet fever and typhoid fever, of the medical students.

Mr. L. B. Jaques, working at the Farm Section, has made a number of important advances in the preparation of heparin. New methods have been evolved which provide higher yields and it has been possible to show that the tremendous increase in blood clotting observed in anaphylactic shock is due to the liberation of heparin from the liver. This heparin has been isolated in crystalline form.

In continuation of work on the relation of histamine to adrenal insufficiency, Dr. G. A. McVicar has found that adrenal cortical extracts inactivate histamine *in vitro*. Since adrenalectomised animals are abnormally sensitive to histamine, the inactivation may have considerable physiological importance.

Dr. E. W. McHenry and Miss E. G. Gavin have continued the study of the relation of the B vitamins to fat metabolism. Convincing evidence has been secured in rats and in pigeons that vitamin B1 causes a synthesis of fat from carbohydrate; the fat thus formed is a relatively saturated glyceride. Fat synthesised in the liver is caused to leave that organ by the administration of choline and will accumulate in the body if riboflavin and vitamin B6 are furnished.

Dr. D. G. H. MacDonald and Dr. McHenry have been concerned with a possible effect of a deficiency of vitamin B1 upon the size and tonus of the large bowel. The present evidence indicates that this deficiency has no such effect.

They have also studied the bradycardia produced in rats by a deficiency of vitamin B1 and have shown that the regulation of heart rate is affected by a relation between the vitamin and the metabolism of foodstuffs.

Miss Sheppard and Dr. McHenry have extended the investigation on the physiological effects of ascorbic acid. In collaboration with Dr. E. Fidlar of the department of physiology, it has been shown that a deficiency of this vitamin in guinea-pigs causes an increase in total metabolism. Grateful appreciation is expressed to the Banting Research Foundation for grants to Miss Sheppard and to Dr. MacDonald.

Under the auspices of the Canadian Council on Nutrition, with financial assistance from that organisation, a survey of dietary habits among people with family incomes between $1,500 and $2,400 was undertaken. Miss Flora Webster is responsible for the collection of data; Miss Jean Patterson and Miss Lillian Barber are concerned with necessary calculations. Miss Patterson is also doing analytical work on Canadian foods. Analytical information has been supplied to two other laboratories doing dietary surveys and to the Canadian Council for the preparation of food tables. Miss Patterson has drawn up a low-cost family dietary which has been found useful in educational work among housewives.

Dr. H. M. Barrett has determined the fate of trichlorethylene in the body. This substance is used in industry and produces certain toxic effects. Dr. Barrett's work may be of assistance in eliminating some of these hazards. In collaboration with Miss Ridout and Dr. Best, Dr. Barrett has continued his studies on fat metabolism using heavy water to earmark the fats so that they can be followed in the body. Dr. MacLean has conducted the histological aspects of this study. In co-operation with Dr. J. G. Cunningham and Dr. L. B. Leppard of the Provincial Division of Industrial Hygiene, surveys of two plants using carbon tetrachloride were made. A method developed in this laboratory for the analysis of carbon tetrachloride vapour in air was utilised.

Farm Section

Under the direction of Dr. N. E. McKinnon, the work of the Farm Section in the preparation of various biological products and in research has been most effectively conducted. The products prepared include: diphtheria, tetanus, scarlet fever, perfringens, and staphylococcus antitoxins, anti-meningococcus and anti-pneumococcus sera, diphtheria toxoid, and smallpox and rabies vaccines.

The results of continued trial of rabbit anti-pneumococcus serum indicated the superiority of this over the concentrated serum from the horse. Accordingly accommodation for 1,500 rabbits was provided and production of practically all specific types of anti-pneumococcus serum begun. By the early months of 1939, however, just when efficient production was under way, clinical experience with the chemical sulphapyridine showed such apparently good results that the probability of wide use of serum became remote. Production thereafter was restricted to small quantities of the common types. The preparation of the anti-pneumococcus rabbit serum involved a very large amount of work. Large quantities of pneumococcus antigens had to be prepared and the sera tested. This work was conducted under the direction of Dr. J. M. Corkill. With Dr. R. C. French, Dr. Corkill was able also to undertake an investigation of the treatment of experimental pneumococcus infections with sulphapyridine alone and in combination with specific sera.

During the year, a considerably larger quantity of smallpox vaccine was prepared, and in addition a quantity of veterinary rabies vaccine was prepared and sent to Trinidad for use in controlling an outbreak of rabies among cattle. The preparation of diphtheria toxoid continues to be one of the most important undertakings of this section. During the past year, approximately 1,000 litres of diphtheria toxoid was prepared, an amount sufficient for the immunisation of approximately 500,000 children.

Dr. G. D. W. Cameron, in addition to his supervision of several of the biological products including scarlet fever antitoxin and anti-meningococcus serum, has continued the study of the flocculation of scarlet fever toxin by the antitoxin, but there are many phases of this problem still requiring investigation. The cause of double zones of flocculation, the significance of such zones, the possibility of eliminating interfering zones, the relationship of flocculation to neutrality, the relationship of the value as determined by flocculation to the value as determined by skin tests and by lethel tests, and the possible relationship of zones of flocculation to different types of toxin, require further investigation.

Dr. C. Siebenmann has been successful in obtaining satisfactory diphtheria toxin from veal broth and in quantity sufficient to meet the needs. Every effort is being made to improve the quality of the product. A large part of Dr. Siebenmann's time has been devoted to the production of diphtheria toxin and to the study of the influence of iron and other constituents of the medium on toxin production. His findings in regard to the influence of silver on bacterial growth and the use of silver foil as an indicator of hydrogen sulphide have been published. Dr. Siebenmann has also continued the investigation of the antigens and haptenes of meningococcus. He has shown that the antibody as titrated by estimating the immune nitrogen *in vitro* does not necessarily coincide with the potency titrated biologically.

The concentration of antitoxins is one of the most important activities of the Farm Section. In 1936, a new method of concentration based on a digestion process was introduced and the method patented by one of the commercial companies in the United States. Dr. French has made an intensive study of all methods of concentration including the digestion process. Arrangements are being made by the Connaught Laboratories so that the digestion method may be used.

Dr. French has prepared specific polysaccharides from pneumococci, types I, II, III, V, VII, VIII, and XIV, and has studied further the antigen-antibody union, comparing the values obtained by chemical titration of the combining nitrogen and the value shown by mouse protection tests. Similar studies have been conducted by him relating to the diphtheria antigen-antibody union, and his findings are of very real significance in any consideration of the fundamental nature of antibodies.

Under Dr. Arthur Charles, heparin production proceeded most satisfactorily. At the New Year, Dr. Charles was given leave of absence in England for advanced study with Professor Todd in Manchester. Mr. Jaques of the department of physiology has supervised heparin production and research in Dr. Charles' absence in a most satisfactory manner. In addition, Mr. Jaques has investigated other sources and other methods of extraction of heparin and has begun work on the extraction and titration of vitamin K.

Dr. J. M. Corkill, who joined the staff in July 1938 as bacteriologist, has had important responsibilities in carrying the cultures, preparing the antigens and titrating the mouse-protective antibody of the many types of pneumococci and the meningococci. Along with the heavy burden of routine work, he has carried on a thorough investigation, from the bacteriological side, of the factors producing discolouration of antitoxin.

Dr. E. G. Kerslake, besides supervising all immunisation, bleeding, care, and disposal of horses, has carried on his study of the antitoxin response of horses to tetanus toxoid and in co-operation with other members of the staff has continued the study of the immunity of the central nervous system, a study begun some years ago by Dr. McKinnon and Dr. French. Dr. Kerslake has continued his observations of the response of the horse to various doses of tetanus toxoid and the persistence of the antitoxin so induced.

The animal colonies have fully maintained their record of past years, and continue to receive the warm commendation of visitors from other laboratories. During the year, 10,111 guinea pigs, 6,525 rats, 38,117 mice and 153 ferrets were supplied to the laboratories.

Library

Miss Olga E. Somerville, librarian of the Connaught Laboratories, has reported that the library has been widely used, not only by members of the staff but also by graduate and other students. Consideration is being given to the providing of additional space to accommodate the growing needs of the library. The file of bound periodicals now numbers 2,513. The preparation of a semi-monthly index of current scientific articles as well as the translation service, conducted by Miss K. Pichler, have been greatly appreciated. Volume X of the Studies of the Connaught Laboratories was published, containing 52 papers. This is the largest annual volume of the Studies which has been published.

Western Division

During its fourth year of existence, the Western Division of the Connaught Laboratories consolidated the position it has striven to make for itself in the life of the University of British Columbia, as well as in the affairs of the local medical profession, and of the provincial health services. The objective of its staff has been to symbolise the nation-wide scope of the Connaught Laboratories' activities and interests, by pursuing researches in the field of bacteriology, immunology, and epidemiology in the westernmost province of Canada.

During the first six months of the period, the staff numbered five, as in previous years. Dr. C. E. Dolman continued to direct the work of the Western Division as a research member of the Connaught Laboratories. Dr. K. F. Brandon, who had been appointed research assistant as from June 1, 1938, served also as epidemiologist (part-time) to the Metropolitan Health Committee of Greater Vancouver, and as director of the University Health Service. Dr. Brandon resigned his position in the Western Division in order to take over, as from January 1, 1939, the full-time position of Assistant Senior Medical Officer to the Greater Vancouver Metropolitan Health Committee. Dr. L. E. Ranta, D.P.H., has been appointed to replace Dr. Brandon.

Dr. Dolman has continued his staphylococcus researches, a field of investigation which shows no sign of approaching infertility. Evidence has been obtained that the unpleasant reactions occasionally invoked in some individuals by staphylococcus toxoid are due to a specific soluble bacterial substance and not to small amounts of undetoxicated exotoxin. The nature of this substance, whether protein or carbohydrate, is being currently investigated. Good progress has been made in efforts to separate the alpha and beta toxic components, and the enterotoxin from filtrates containing all of these factors; and it is hoped that methods of concentration and purification now on trial may permit the antigenic and pathogenic properties of the separate components to be determined, without the intrusion of the mutually inhibitory or adjuvant effects which may occur when crude filtrates are tested. During the year, apart from the laboratory technicians employed by the Western Division whose assistance in this particular work has been most helpful, a problem relating to the reactions produced in human beings by detoxicated staphylococcus toxins was assigned to an honour-course student in the department of bacteriology and preventive medicine at the University of British Columbia; while fundamental work on the separation, by chemical methods, of certain of the toxic components of staphylococcal filtrates was carried out by Mr. Marvin Darrach, M.A., who worked enthusiastically in a voluntary capacity under Dr. Dolman's direction. Numerous strains of staphylococci, isolated from raw cow's milk, from human faeces, and from foodstuffs suspected of causing food-poisoning, were made available to us for investigation by the Division of Laboratories of the Provincial Board of Health of British

Columbia. Our interest in staphylococcal food-poisoning has been maintained, two or three outbreaks which occurred in Vancouver having been identified in co-operation with the Provincial Laboratories.

Apart from staphylococcus researches, Dr. Dolman has continued work on *Brucella abortus*. Infections with this micro-organism present many features of marked clinical, immunological, and epidemiological interest. In conjunction with Miss Hudson of the Provincial Laboratories' staff, surveys have been made which showed that *Br. abortus* could be isolated from a surprisingly high percentage of pooled raw-milk samples selected at random from dairies distributing within the city. Moreover, it was conclusively demonstrated that the attempted elimination of "reactors" (cattle showing specific brucella agglutinins in their blood serum) from dairy herds will not reduce the incidence of human brucellosis in a community supplied by raw milk from such herds. These findings were presented, in collaboration with Miss V. G. Hudson and Mr. D. G. B. Mathias, at the Christmas 1938 meeting of the Laboratory Section of the Canadian Public Health Association.

Dr. Brandon, during the period of his appointment, engaged in several researches. He collaborated with the staff of the Provincial Laboratories in adapting Dr. Craigie's method of typing Vi strains of *B. typhosus* by means of their phage susceptibility, to the tracing of the routes of spread of infection in various local epidemics. He also collaborated with them in methods of haemolytic streptococcus grouping and typing. Dr. Brandon conducted an investigation of outbreaks of water-borne bacillary dysentery and of milk-borne typhoid fever, at Powell River, British Columbia, and Merritt, British Columbia, respectively.

Earlier studies initiated by Dr. R. J. Gibbons on gonococcus culturing have been carried on in some degree. The result of a two years' survey involving this method have been published.

Distribution of Products

The products which are regularly supplied by the Laboratories now number thirty-two including two of which sale was commenced during 1938-39, viz. antipneumococcus serum prepared from the blood of immunised rabbits for use in the treatment of pneumonia and tetanus toxoid which is used in the conferring of a lasting immunity against lockjaw.

All nine of the Canadian provinces provide either limited or general free distribution of products of the Connaught Laboratories, and the greatest bulk of the Laboratories' sales are for the accounts of the provincial departments of health of these nine provinces. It is not only from coast to coast of the Dominion, however, that the products, prices, and services of the Connaught Laboratories are appreciated. During 1938-39, the Laboratories were called upon to export products to several British and foreign countries, e.g. Angola, Australia, Belgium, Bermuda, British West Indies (Leeward Islands, Windward Islands, Barbados, Trinidad, and Jamaica), Chile, China, Cuba, England, France, Holland, Ireland, Japan, Newfoundland, South Africa, and the United States of America. The total volume of distribution of the Laboratories' products during this year has been greater than during any preceding year, affording further evidence of the widespread recognition of the services of the Connaught Laboratories in the preparation and supply of biologicals for the prevention, treatment, or cure of disease. I wish to record with appreciation the services of Mr. F. Lorne Hutchison as comptroller. During the year, Mr. K. E. Allen has been appointed assistant comptroller in addition to his duties as accountant, and Mr. W. P. Gerald has been appointed assistant accountant.

In the exercise of its functions, the Laboratories are able to serve as a useful medium for teaching, and during this past year, demonstrations and exhibitions of the University and Farm Sections were made available as usual to undergraduate and graduate classes in hygiene, preventive medicine, and related public-health subjects, as well as to various societies, groups, and individual visitors. The latter included guests from numerous parts of Canada, the United States of America, and the British Isles, and from other countries including Argentina, Australia, Belgium, Ceylon, China, Cuba, Hungary, India, Japan, Java, Jugoslavia, New Zealand, Panama, Roumania, South Africa, and Sweden.

In Dr. FitzGerald's absence, I take this opportunity of expressing sincere thanks on his behalf, as well as on behalf of my colleagues and myself, for the advice and support which you and the Chairman and other members of the Connaught Laboratories Committee have so generously given to us.

(23) STATEMENT REGARDING THE MUSEUM OF ARCHAEOLOGY

(*Professor C. T. Currelly*)

Among the accessions of the year 1938-39 were several objects never dreamed of as possible possessions of this province.

Chance put within our reach two statues of the Madonna and Child, one Ile de France about 1320, the other Italian work of the 15th century. Added to the four important sculptures obtained during the preceding two years, these go a long way towards filling the very serious gap in the collection of early European sculpture, felt still more severely as the university department of fine art developed.

Another accession was a South Indian bronze figure of Siva, probably late 11th century A.D. The god is represented in his Nataraja manifestation, dancing to maintain the equilibrium of the universe. The figure is 40 inches high and in practically flawless condition.

Another of the most outstanding acquisitions was an inscribed bronze sword from Luristan. It belonged to Marduk-shapik-zeri, king of Babylon about 1170-1153 B.C. In beauty of design and workmanship, and as the oldest inscribed Babylonian sword known, Dr. T. J. Meek, by whom it has been published, considers it the very finest of the Late Bronze Age swords from Luristan. Mr. and Mrs. T. Frank Matthews generously presented the funds for its purchase.

Through the Reuben Wells Leonard Bequest, another piece of great importance was acquired just at the close of the year: a stone bas-relief of the 9th century B.C., from the palace of Ashur-nasir-pal at Nimroud. With its design of winged spirits attending the sacred date palm, and its beautifully executed cuneiform inscription, this slab gives us an extremely fine and characteristic example of Assyrian sculpture.

Among the purchases and the 101 donations of the year were many other pieces of high quality, though less spectacular. A donor paid for six water-colour sketches reproducing Cretan and Mycenaean frescoes, painted to our order in Crete by a well-known artist. These are valuable illustrative material in a department which must necessarily remain very small, but which contains our fine ivory and gold goddess and a few other rare objects.

To the collection of arms and armour were added two Turkish iron helmets of the 15th and 16th centuries, with incised and inlaid decoration and the mark of the Arsenal at Constantinople. The Armouries of H.M. Tower of London made a gift of thirty-two pieces of English arms and armour from the late 16th to the 19th century; a brass wall gun of 1740 is a particularly interesting piece. Brigadier General W. F. Sweny added several interesting Abyssinian objects to the collection begun by his father, Colonel G. A. Sweny.

We were fortunate in being able to secure three pieces of early furniture, a 16th century French tabouret and two Italian folding slatted chairs of the 15th and 16th centuries. An example of fine cabinetmaking is an Ontario mid-19th century mahogany sewing table presented from the collection of Mrs. Ada B. Tindall.

A few choice pieces were added to the collection of pottery and porcelain: an important 15th Century Hispano-Moresque plate from Valencia; a Chelsea double-handled cup and stand of about 1765; a Chelsea-Derby cup and saucer of about 1770, the gift of Mrs. Bryce B. Hunter; a Derby figure of Neptune, about 1768, presented by Mrs. H. M. Peacock. The popularity of the Chinese porcelain plate in the West, continuous from the 17th century onwards, is interestingly illustrated in three 19th century plates identical in design, one made in China for export, one in Russia, and one in England.

The large collection of Irish and English glass presented last year by Mrs. R. Y. Eaton was augmented by fifty pieces, among them three finely decorated hurricane shades.

The textile department received a very large number of additions, mostly by gift. Outstanding among them were a Persian printed cotton; an 18th century man's coat and shirt from Mrs. Wm. A. Howard; a suit worn by the Hon. Robert Baldwin, presented by Mr. Harry Baldwin; a black lace fan, and a pair of men's leather boots worn in Ontario about 1840, presented by Miss A. C. Carpmael; a black lace shawl given by Mrs. Archibald H. Campbell; a lady's silk dress of about 1875, from Professor T. F. McIlwraith; a considerable collection of costumes and accessories of the late 19th and early 20th century, from Mrs. W. F. Sparling; an interesting archery jacket of 1870 and a handsome bonnet, teagown and wrap of 1890, presented by Mrs. L. H. Baldwin; a child's dress and pinafore of 1885, from Mrs. George C. Gale; and seven pieces from members of the Junior League in continuation of their gift of 20th century costume.

A series of Korean type from the Gael Collection increases the interest of our collection of early printing. Miss C. L. Scott presented an illuminated manuscript, and Dr. H. J. Cody gave three manuscript leaves from a Spanish missal and an important early English manuscript volume containing contemporary copies of royal charters. Mr. Paul Hahn continued to sponsor the collection of postage stamps and was the means of a large number of specimens being presented.

A very fine Chinese pottery wine jar of the Ming dynasty was obtained from the Greenshields Collection, and Mr. Chauncey J. Hamlin of Buffalo gave an interesting series of clay moulds for casting the early Chinese bronzes.

As usual, a very large number of accessions was received in the ethnological department, mostly as gifts: mention can be made of only a few. Dr. J. H. McKay gave thirty-five specimens from the Camerons. Mr. L. A. Learmonth added nearly fifty pieces to his Eskimo collection, and a small collection was obtained from the Padlemiut Eskimo. One of the rare pattern boards for the weaving of a Chilkat blanket was secured, five stone implements from Saskatchewan, fifteen old bark baskets from Quebec, and twelve fine stone artifacts from the Payne Stone Age Collection. An important addition was fifteen strings of wampum used in the Iroquois "Requickening Address".

Mr. John Pound kindly presented a very large quantity of material of Neutral Indian culture found on his farm near Aylmer by the Museum's field party last summer. Dr. Nash's account of the excavations was presented in a Museum lecture in the Directors' Series last autumn, and at a joint meeting of the Central Section of the American Anthropological Association and the Society for American Archaeology at Ann Arbor in May. Professor McIlwraith will join Dr. Nash and his party this summer to complete the work at Aylmer, and a survey will also be made of Indian sites in Algonquin Park.

The routine work of our various workrooms and offices has gone on without interruption, good progress having been made in all departments. Two large paintings on Viking subjects, done by Miss Sylvia Hahn for the Children's Room, have already proved their value as teaching material; "The Vikings" is a subject frequently requested by school classes, and the galleries provide no illustrations other than weapons.

The Rckefeller Foundation's grant of last year has greatly accelerated the work of the East Asiatic department. The first publication under the grant was made during the year, Museum Studies No. 1, TOMB TILE PICTURES OF ANCIENT CHINA, by Dr. W. C. White. Very favourable comment has been made on the book, both for Dr. White's scientific and literary contribution and for the distinguished work of the University Press.

The Museum sustained a great loss last autumn in the death of Sir Robert Mond. His interest in a museum for Toronto preceded by several years the formation of the Royal Ontario Museum, and continued till his death with an unfailing enthusiasm and generosity. The catholicity of his own tastes and the wide range of his knowledge are evidenced by his many important gifts to the Museum: Egyptian, Roman, early Chinese, European ironwork, French furniture and porcelain, firearms, engravings, ethnology, a quarter-share in the Chinese Library. He honoured the Museum by becoming an Honorary Trustee, and accepted an LL.D. degree from the University of Toronto.

(24) STATEMENT REGARDING THE ROYAL ONTARIO MUSEUM OF ZOOLOGY

(*Professor J. R. Dymond*)

The Museum of Zoology contributes to the diffusion of knowledge about animal life through the following means: gallery exhibits, instruction to groups in the gallery and in the museum theatre, lectures to groups outside the museum, both in Toronto and beyond, occasional radio broadcasts, distribution of scientific and popular publications, loan of lantern slides and specimens, supplying information to the press, contributions to natural history and other journals, assistance to authors of text books and other writers, assistance to naturalists who visit the museum and through correspondence with those at a distance.

The Museum increases existing knowledge about animal life through field expeditions, study of collected, donated, purchased and exchanged material, study of museum specimens by graduate students of the University, loan of specimens to other research institutions, identification of specimens for research workers in other institutions, assistance to naturalists and other students of animal life.

During the year, one of the new style exhibits illustrating the beaver and its importance to Canada was installed. An exhibit showing the life history of salmon and other fish was reinstalled in a new case. Mounted specimens of the Rocky Mountain caribou and the white-tailed deer were placed on exhibition. During the past year, special attention has been given to temporary exhibits. These included reproductions of Audubon's bird paintings, nature photographs by local naturalist photographers, works of Edwards and Catesby (which are among the earliest works on the natural history of North America), natural history notes and publications of Charles Fothergill who came to Canada in 1816, and an exhibit of the results of the summer's field expeditions. The annual exhibition of tropical aquarium fish was again placed on view in our gallery by the Toronto Aquarium Society for two weeks at Easter-time. In our own aquarium many living specimens of native and tropical fish, bullfrogs, toads, mudpuppies, turtles, salamanders, etc., were placed on view during the year. Other living exhibits included the tarantula, trap-door spider and several kinds of non-poisonous native snakes.

The scientific collections continue to grow steadily. The number of specimens of the more important groups added during the year was as follows: mammals 1745, birds 2634, reptiles 81, amphibians 170, fish 1218 lots, spiders 13,289, insects 10,519, molluscs 1301 lots and other invertebrates 256 lots.

Accessions to the library were 77 books and 2871 unbound publications.

Some of the more outstanding donations received during the year were as follows:

Boggs, O. D. International Petroleum Company, Negritos, Peru. Collection of 162 bird skins from Peru and Ecuador.

Cockburn, R. R., 8 Grandview Ave., Toronto. Bearded seal from the Ontario waters of James Bay.

Doan, K. H., 209 Glengrove Ave. W., Toronto. 359 lots of small fish collected in the Toronto region.

Goddard, Wm., Berens River Mine, Patricia District, Ontario. 66 mammals, 54 birds and 19 fish from the Favourable Lake region.

Hahn, Paul, 22 Bloor St. E., Toronto. One passenger pigeon; the fifty-first Mr. Hahn has donated to the Museum.

Herrington, Rev. H. B. Large number of land and freshwater shells from Hastings County.

Kilborn. Dr. L. G., Chengtu, West China. 2 lesser pandas; a collection of land and freshwater shells from Chengtu, Szechan, China. This collection contains our first land and freshwater shells from China.

Lang, K. H., Aklavik, N.W.T. 10 fish from Aklavik.

Learnmouth, H. Fort Ross, Somerset Island, N.W.T. 38 bird skins, representing 25 species, from Somerset Island. This is our most northerly collection.

National Parks Bureau, Ottawa. Rocky Mountain caribou.

Rutter, R. J. 357 Baysview Ave., Toronto. 78 small mammals, 187 bird skins, 4 bird nests.

Quite extensive field collecting was carried on by the Museum of Zoology in the summer of 1938. A party consisting of Messrs. Hope, Prince and Neal spent ten weeks in the Favourable Lake region of Patricia District. This expedition was financed out of the Reuben Wells Leonard bequest. The fauna of the northern parts of Ontario is virtually unknown, and this was the first faunal survey made in this vast area. Large collections of material were secured and much information collected.

Messrs. Cross and Downing worked in western Quebec collecting mammals. The collection secured is of special interest, as it contains a number of topotypes. Data were secured on comparative abundance of animals in adjacent river valleys, seasonal activity of mammals, efficiency of different methods of collecting, etc. Mr. Baillie spent a month studying the bird life of Manitoulin Island. Mr. Oughton spent two months in Temagami collecting molluscs and small invertebrates and studying the factors influencing the distribution of small animals. Messrs. Kurata and Urquhart worked at Point Pelee for two months, collecting spiders and insects respectively.

Mr. Shortt spent three months accompanying the Government Party on the Hudson Bay Steamer 'Nascopie' on the annual Arctic Patrol. The most noteworthy result of this trip was a collection of Arctic birds, but many coloured and pencilled sketches of birds were also obtained, together with other natural history material.

Additional details of the Museum's work are contained in the Museum Bulletin Number 8.

(25) STATEMENT REGARDING THE ROYAL ONTARIO MUSEUM OF GEOLOGY

(Professor E. S. Moore)

The Director spent the past summer visiting many mines and other features of geological interest in St. Helena, South Africa and Rhodesia. Collections were obtained in South Africa from the Kimberley diamond mines, several parts of the great Rand gold field and the Bushveld Igneous Complex; also in Southern Rhodesia from the asbestos and chromite deposits, and in Northern Rhodesia from Broken Hill and the great Copper Belt. A number of donations were also received for the Museum and University collections during the trip.

Donations received during the year:

Two rare specimens of descloizite from Broken Hill, Northern Rhodesia. Dr. J. A. Bancroft, Johannesburg, S.A.
Specimens of native gold ore from East Geduld mine, Rand, S.A. J. A. Becking, Esq.
Kimberlite and other rocks from Kimberley mines. De Beers Consolidated Mines, Limited.
Gold ores, and other specimens.
The Department of Geology, The University of the Witwatersrand, Johannesburg, S.A.
Copper ores and rocks from the Nkana Mines, Northern Rhodesia. The Rhokanna Copper Company.
Copper ores from the Roan Antelope Mine, Northern Rhodesia. The Roan Antelope Copper Company.
Copper ores from the Mufalira Mine, Northern Rhodesia. J. E. D. Tallant, Esq.
Large specimens of "Porphyry Copper", from Kimberley, Nevada. John A. Richards, Esq.
A large polished specimen of silver ore from the Contact Mine, Great Bear Lake. C. L. Hershman, Esq.
A number of publications for the Museum library from the library of the late Professor J. P. McMurrich. Miss Kathleen and Mr. J. Ronald McMurrich.
An unsual specimen of amygdoloidal lava. Dr. H. C. Cooke, Ottawa.

Purchases:

Spectacular native gold ore from Victoria, Australia.
Ores of special types from the United States, Chile, Germany and Norway.
Precambrian algae concretions from several localities.

The Museum of Geology provided an exhibit for the Science exhibition at the Toronto Public Library last autumn. Two lectures were given in the Tuesday lecture series at the Museum, and a large number of children from outside Toronto were given instruction in the galleries.

The Director regrets to have to state that the assistant director, Dr. Jack Satterly, has severed his connection with the Museum to accept a position with the Ontario Department of Mines.

(26) STATEMENT REGARDING THE ROYAL ONTARIO MUSEUM OF MINERALOGY

(*Professor A. L. Parsons*)

The collections of this Museum have been augmented during the year by exchange, donation, purchase and collection by the staff.

Probably the most outstanding and spectacular addition to our gallery during the year is the crystal cave. This was made possible by an exchange with the New York State Museum. The original cave was opened up in quarrying operations and furnished about forty tons of calcite crystals of two types. The largest crystal weighed more than half a ton. The largest in our reconstructed cave weighs 476 pounds.

Other important exchanges are as follows:

A fine series of borates and potash salts have been received in exchange from the Tschernyschew Museum in Leningrad and are now on display in the case (W. 9) devoted to recent acquisitions.

An excellent series of minerals from western Canada has been contributed in exchange by the University of Alberta and is now on display in the case (W. 10) devoted to recent acquisitions from Canada.

Remarkable specimens of celestite and fluorite from Clay Centre, Ohio, have been received in exchange from C. S. Bullen, Ypsilanti, Michigan.

A continuing exchange with Harvard University has enriched our collection with three minerals new to science, Leightonite, Bandylite and Hilgarite.

Among the outstanding donations may be mentioned the following:

The Johannesburg Consolidated Investment Company—a series of platinum-palladium minerals from South Africa, three of which are new to this museum.

Professor G. M. Brownell, University of Manitoba—zeolites from the Sherritt Gordon Mine.

M. F. Goudge, Esq., Department of Mines and Resources, Ottawa—pyroaurite, a mineral new to Canada.

Dr. E. S. Simpson, Perth, Australia—additional new minerals from Western Australia.

John Knox, Esq., Hollinger Mine—a remarkably fine "Copper Bowl" from the Calumet and Hecla Mine.

A. F. Brigham, Esq.—a series of the minerals associated with diamond at the Kimberley Mines.

C. L. Hershman, Esq., Toronto—a fine specimen of native silver from Great Bear Lake.

Wm. C. Inch, Esq.—specimens of bismuth from Cobalt, Ontario.

Prof. R. P. D. Graham—Pyroxene, Notre Dame des Ange, Quebec.

Dr. W. L. Brown—Minerals from Arizona, Arkansas and California.

Dr. A. S. Dadson—a series of vesuvianite crystals from Great Slave Lake, N.W.T. which have since been described by the scientific assistant curator, Dr. V. Ben Meen.

Victoria Memorial Museum—Lapis Lazuli from Lake Harbour, Baffin Island.

Further additions of fine specimens of gem stones have been made from money provided by the bequest of the late Reuben Wells Leonard, Esq. The gem collection now contains good specimens of the most of the gem stones and is one of the popular exhibitions in the gallery.

Collecting activities were confined to a ten day trip by the Director in the Grenville and Thetford Mines regions.

The automatic balopticon with its series of pictures relating to the mineral industry continues to be an attraction to young and old alike. The exhibit of fluorescent minerals is a never-failing attraction where thousands can see the different effect of ordinary light and utra-violet light in producing colour in certain minerals. An ever increasing number of students are making use of the systematic collections of minerals and rocks and the paragenetic collections, with most gratifying results.

During the past year several special excursions of school children from other centres in Ontario have come to the museum on Saturdays. This involves extra work by members of the staff of the museum to give instruction to groups in the gallery. Arrangements are being made to continue this extremely important phase of the museum's work during the coming year, which may possibly involve the employment of assistants for the work.

The routine work of the Museum has been well carried on by the two paid non-scientific assistants, and the part-time scientific assistant curator, Dr. V. Ben Meen, has completed an investigation of the Vesuvianite from Great Slave Lake Region, Canada, and an interesting meteorite from Santa Luzia de Goyaz, Brazil.

(27) STATEMENT REGARDING THE ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY

(*Madeleine A. Fritz*)

The Museum of Palaeontology celebrated this year, along with the other four component museums comprising the Royal Ontario Museum, its twenty-fifth anniversary. To commemorate this event a history of the growth and development of palaeontology, first in the University and later in the Museum, has been prepared. This historical outline will be published, it is hoped, within the near future.

In last year's report special mention was made of the mural panels by G. A. Reid, R.C.A., typifying successive periods of time in the geological history of the world. During the past year this extensive series of 34 murals, accompanied by adequate descriptions, has been completed and installed in the galleries of invertebrate palaeontology. These paintings, which were planned by the late Professor W. A. Parks, contribute greatly to an understanding of palaeontological history. They were provided for by a grant from the Reuben Wells Leonard Bequest.

A few outstanding exhibits have been placed in the galleries during the past year. Among these may be noted the skeleton of a *Dodo* and the restoration of a Tertiary marine fauna. The latter completes the series of restorations of six geological periods begun in 1935.

Two special exhibits were prepared for the Canadian National Exhibition. They consisted of (1) the story of Amber, the sea gold of the Baltic and (2) a demonstration of how a dinosaur is prepared.

A travelling exhibit dealing with the mastodon and mammoth was arranged and sent to Kitchener.

During June and July a short but successful expedition was conducted to the fossil fish localities of Gaspe and New Brunswick. Many interesting specimens were added to the Museum collections as a result of this field trip.

The Museum of Palaeontology participated as usual in the Museum's general educational program by giving lectures and demonstrations to (1) the visiting groups of out-of-town children (2) adult groups from Toronto visiting the Museum during "open evenings", and (3) to large groups of Toronto children that assembled in the auditorium on Saturday mornings during the month of March.

In the series of popular lectures under the auspices of the Committee of Directors this Museum contributed three entitled: The History of the Great Plains in Canada, The Rise and Fall of Fossil Dynasties, and the Restoration of Dinosaurs.

The following lists indicate the chief acquisitions to the Museum of Palaeontology during the past year:

By collection

A large collection of Upper Devonian fishes from Maguasha, P.Q.
A small collection of Middle Devonion fishes from Campellton, N.B.
A fine collection of Lower Carboniferous fishes from Albert Mines, N.B.
A collection of Upper Silurian fishes from St. John, N.B.

By donation

Concretion from varved clay, Sandy Creek region, Ontario—Mr. Morley Neal.
Recent Gastropoda from Ontario—Rev. H. B. Herrington, Thomasburg, Ontario.

Collection of books and pamphlets for the library of Palaeontology—Mr. J. Ronald McMurrich and Miss Kathleen McMurrich, Toronto.

Collection of books and pamphlets for the library of Palaeontology—Dr. W. S. Dyer, Toronto.

By Exchange

Collection of Scoleodonts from the Albion sandstone of the Lower Niagaran Gorge from R. R. Hibbard, Buffalo, N.Y. for a set of Ontario Bryozoa.

By purchase

One piece of amber from O. M. Jensen, Lekken, Denmark.

Fine specimen of centipede, *Acanthotelson evansi* M. & W.—Pennsylvania, Mazon Creek, Illinois.

Collection of Ordovician Graptolites from Australia. Wards Nat. Hist. Estab., Rochester, N.Y.

Collection of Brachiopods of the family *Productidae*. Wards Nat. Hist. Estab., Rochester, N.Y.

(23) STATEMENT REGARDING THE EDUCATIONAL WORK OF THE ROYAL ONTARIO MUSEUM

(*Helen Reynar, Secretary-Treasurer*)

The educational work of the Museum with its varied activities has been carried on with marked success during the past year.

Out-of-town Groups

Steadily increasing requests for tours of the Museum and lectures on its exhibits have come in from schools outside of Toronto, 84 groups (6,175 children in all) having been taken care of by Miss Ruth M. Home, Miss Ella N. Martin, Mr. F. A. Urquhart of the museum of zoology, and other members of the staff. Among the towns and cities taking advantage of this service were Sudbury, Parry Sound, St. Catharines, Welland, Cobourg, Stayner, Woodstock, Elmira, Listowel, Burford, Uxbridge, Palmerston, Stouffville, Niagara Falls, Hamilton, Islington, Collingwood. Five large groups of approximately 400 each came from Fergus, London and Kitchener to spend a "Museum Day" with its programme of special gallery talks, movies and mid-day meal. Members of the Boy Scout Association assisted on these occasions in guiding groups from one lecture to another.

Saturday Morning Lectures and Moving Pictures:

Moving pictures and lectures for children were carried on during the school year on Saturday mornings under the direction of the five museums. Of special interest were the "Grey Owl" pictures, "Elephant Boy", "Nanook of the North", and "The Private Life of the Gannet". A dinosaur puppet show was an interesting and novel experiment. Total attendance for the season was 11,787.

Open Evenings

Five "Open Evenings" were held during the season with an attendance of 913. These evenings are arranged for groups who are unable to attend lectures in the museum during the day; one floor of the building being on exhibition each night. Among the groups were the following: University College Alumnae, Robert Simpson Co. staff, Islington Young People's Club, York County Home and School Clubs, Boy Scouts Association, Young Men's Canadian Club, Library School, St. Clair Y.M.C.A., Zonta Club, Dr. Horwood's Music Appreciation class.

On account of the overhead expense involved, it has been decided to discontinue this service during the coming season except for groups that will guarantee a fee of $25.00 per evening.

Pay Courses

Miss Ruth M. Home continued her pay courses in "The Modern Home" arranged with the cooperation of the Ontario Association of Architects and the Society of Interior Decorators, with 36 enrolled, and in "Ceramics" with a registration of 45. Two new courses for teachers—"The Development of the Canadian Home" and "Social Studies"—attracted 110 students. These courses were conducted by members of the museum staff.

The Collectors' Exhibition of pottery and porcelain held in connection with the "Ceramics" course, and comprising some 352 specimens, was a new venture.

Travelling Exhibits

Loan exhibits have been sent to the Public Libraries of Kitchener and Stratford during the year, in rotation, by the museums of archaeology, palaeontology and zoology. An interesting collection of Ontario Indian material is at present in Kitchener.

Classes for School Children

During the school year Miss Lilian J. Payne, teacher at the museum under the Board of Education, lectured to 670 classes, totalling 25,421 children. Of the 42 subjects offered by Miss Payne, these chosen most frequently were the lectures on Indian Life, Egypt, Roman Britain, Natural History Tour, Dinosaurs, The Chinese Galleries, and Sixteenth Century England. Miss Payne teaches only Grades VI and VII. All other public, private, and high school classes are taken care of by Miss Home and her assistants, who gave instruction to 65 classes from public schools, numbering 2698 pupils; to 48 classes from private schools, with 2727 pupils; and to 25 classes from high schools, with 1265 pupils.

Tuesday Afternoon Public Lectures

For the sixth consecutive season the committee of directors continued its five-o'clock lectures on Tuesday afternoons during the fall and winter season. One course of seven lectures was given by members of the museum of archaeology staff before Christmas; which was followed by eleven lectures by members of the four natural history museums staffs. Approximately 4883 persons attended these lectures.

Children's Room

To provide a place for informal talks on museum exhibits, for models and other material which can be handled by children, and to increase the interest of children in museum collections by means of sketching, modelling, questionnaires, games, etc., a room has been fitted up in the basement where small groups can be conveniently cared for. This work is still in an experimental stage.

In addition to the above-mentioned activities, ever-increasing use is being made of the museum by art students, university undergraduates, and students in the School of Graduate Studies. Summer School classes for teachers are conducted each season under the direction of Professor J. A. Alford assisted by Miss Home.

The Hart House String Quartet very generously gave four concerts for children on Saturday afternoons in the museum theatre.

Total attendance for the year ending 30th June, 1939. was 255,134.

(29) REPORT OF THE DIRECTOR OF THE DAVID DUNLAP OBSERVATORY

(Professor R. K. Young)

The end of the present fiscal year June 1939 completes the fourth year of operation of the David Dunlap Observatory. The first major programme of the determination of the radial velocities of all stars in the Kapteyn areas has been completed.

Observing conditions have been fairly constant from year to year and the four year average gives a reasonable index of what may be expected in the future. The number of working hours with the telescope and the number of plates obtained are shown below.

	Plates Obtained	No. of Hours
1935-36	989	1096
1936-37	1086	1197
1937-38	1216	1323
1938-39	1290	1417

During the year several important pieces of apparatus were constructed in the workshops. The one-prism spectograph was fitted with an automatic sensitive temperature control. A new rotating shutter camera fitted with a battery of six cameras was constructed for the efficient observation of meteors and meteoric spectra. A portion of the carpenter shop was subdivided and equipped with a lens grinding apparatus with which the optical parts of a "Schmidt" camera have been completed. The mounting for this is well under way and when completed it will be used in conjunction with the present sepctograph for the observation of very faint stars. A start was also made on the construction of a high dispersion spectograph employing a new grating ruled on aluminum coated glass.

Accessions to the library during the year numbered 399: gifts 29; purchase, 42, exchange 10, from the Royal Astronomical Society of Canada, 55; from the Dominion Meteorological Service, 263. At present there are 3695 volumes in the library; of these 1757 are on loan from the Royal Astronomical Society of Canada and 263 on loan from the Dominion Meteorological Service. In addition there is a large amount of unbound material which is not included in the figures given above.

During the year a very satisfactory start has been made toward the creation of the arboretum. The work is being carried on by the staff of Col. LePan, superintendent of buildings and grounds of the University, under the direct supervision of Mr. Shortreed. Nearly two hundred fair-sized trees have been transplanted to the Observatory, and are set out on the hill-top around the buildings. A more extensive development consists of a nursery at the east end of the property, where many thousand seedlings are set out, to be transplanted during the coming years to the rest of the grounds.

(30) REPORT OF THE OFFICER COMMANDING THE U.O.T. C.O.T.C.

(Lt.-Col. H. H. Madill, V.D., m.s.c.)

I have the honour to report on the activities of the University of Toronto Contingent of the Canadian Officers Training Corps for the academic year 1938-1939, as follows:

As was to be expected, following the international tension of last September, the opening of the academic term saw an increasing interest among undergraduates in corps activities. This was revealed by the numerous inquiries received for information on courses of study leading to officer qualifications. The enrolment was distributed as follows:

Headquarters	7
"A" Coy (University College)	54
"B" Coy (Medicine & Dentistry)	66
"C" Coy (App. Science & Forestry)	101
"D" Coy (Arts other than U.C.)	70
Attached from other units for instruction	23
Attached from other units for duty	6
	327

The examinations for Certificate "A" (lieutenant) and "B" (captain) may be taken after the second year of service in the corps. These examinations consist of Part I, practical, and Part II, written. The results of the March 1939 examinations are not yet available but for the year 1938 the following certificates were received at the November and March examinations:

"A", Artillery	5	"A", Infantry	20
"B", Artillery	6	"B", Infantry	11
"A", Arty Survey	1	"B", Machine Gun	1
"A", Engineers	4	"A", Medical	5
"A", Signals	3	"B", Medical	2
"B", Signals	2		

Other qualifications obtained were,—

Signals—Visual Telegraphy	6	Lt. Col. qualifications	1
Wireless "	1		

It is interesting to note that up to the end of 1938, 1000 certificates of qualifications in all arms have been received by members of this contingent.

The officers met at Hart House for a Mess Dinner on October 28, 1938. There were forty-one officers and guests present. Later in the evening an illustrated account of the Permanent Force "war games" at Camp Borden last August was given by the O.C. and Major Watson.

A Guard of Honour and the band, under command of Major W. S. Wilson was furnished for the Remembrance Service at the Memorial Tower on November 11th. Under the leadership of our Honourary Colonel, President Cody, the large gathering of staff, students and friends felt deeply the significance of the occasion.

The first church parade of recent years was held on Sunday 13th of November to St. Paul's Anglican Church accompanied by the City of Toronto 110th Sqn. R.C.A.F. and were privileged to share in the services as conducted by Bishop Renison assisted by Colonel Cody.

The annual ball of the Contingent, held in Hart House on January 13th, 1939, was an outstanding success and attended by over four hundred members and guests.

The annual inspection of the Contingent was held on March 16th at the University Avenue Armouries by Brigadier R. O. Alexander, D.S.O., the G.O.C., M.D. 2. Following the battalion ceremony the work in the various arms of the service was inspected and carried out by companies. The shooting prizes were present by the inspecting officer. A large number of guests of the Corps were present throughout the evening.

As a rule the annual inspection concludes the training season. This year the climax occurred on May 22nd when King George VI and Queen Elizabeth visited Toronto. Every member of the Contingent who could make it possible to be present at that time of year was on parade. The numbers were eighteen officers and one hundred and fifteen other ranks. The Contingent was detailed to a position at the south west entrance to Hart House. The Queen walked through the ranks on her way from the Parliament Buildings to the North Campus where she presented colours to the Toronto Scottish Regiment and again when she returned to the entrance to Hart House. The King later walking from the Parliament Buildings joined the Queen and entered Hart House for the luncheon which was tendered Their Majesties by the Lieutenant Governor and the Executive Council of the Province of Ontario.

A search for suitable accommodation for the numerous activities of the Contingent conducted over a period of years, has finally been successful and 119 St. George Street has been allotted by the University for the requirements of the C.O.T.C. and the Department of Military Studies. A drill hall will be added and will be available for use next fall. Every member of the corps is looking forward with enthusiasm to the increased scope and efficiency of the work that will be possible in the new quarters.

(31) REPORT OF THE SECRETARY-TREASURER OF THE STUDENTS' ADMINISTRATIVE COUNCIL

(*E. A. Macdonald, B.A.*)

The Students' Administrative Council is composed of the presidents or the elected heads of every official undergraduate body, both men and women, of all the colleges and faculties which go to make up the University of Toronto. It is therefore a thoroughly representative university organisation, and is a powerful unifying force in the university. There are as well two members of the staff appointed by the President as his representatives on the Council, Professor S. N. F. Chant and Professor J. R. Cockburn. There is also the president, who must be a graduate of not more than five years' standing, the general secretary-treasurer, and the associate secretary.

The work of the Council is carried on by six important sub-committees, the Publications Committee, the Finance Committee, the Debates Committee, the Sporting Activities Committee, the Loan Committee, and to these there was added this year the Committee on Student Service. All committees have performed their work during the past academic year in a most commendable manner, and much constructive action for the benefit of the whole student body of the university has been the result.

The publications of the Council again this year included the *Students' Handbook*, which was given free of charge to every undergraduate on registration in the fall. In the book this year was much valuable information about the university, together with the names and telephone numbers of every officer of every undergraduate society and organisation of every faculty and college in the university. A very welcome addition to the book this year was a modern, up-to-date map of the city of Toronto. The advertising which the book contained covered the cost of this publication and allowed a small profit on the book.

One hundred issues of *The Varsity* were published throughout the term five days a week. Approximately six thousand copies were printed each day. A staff of more than one hundred and twenty-five students was responsible for the news and feature writing and the technical work of producing the paper, which is supervised by the Publications Committee. *The Varsity*, a large newspaper in miniature is printed each night in the University of Toronto Press. The paper is organised as is any large paper. At the head there is a student editor-in-chief; a women's editor, a sports' editor, women's sports' editor, news editor, women's news editor, managing editor, feature editor, exchange editor and night editors. All are paid salaries by the Students' Administrative Council. There is also the great army of reporters that form the backbone of every newspaper. These are drawn from every college and faculty in the university, both men and women students. *The Varsity* has been of inestimable value in the past few years in the University of Toronto. It is a great unifying factor, and a great instrument for good. The staff have realised that they are custodians in no small measure of the good name of the university, and this responsibility during the past year was discharged in a most satisfactory manner. Under the editor of the past year, Mr. A. C. Forrest, registered in second year, Emmanuel College, *The Varsity* has had a most successful year.

Fourteen hundred and fifty copies of *Torontonensis* were published during the past academic year. The editor was Mr. John Henry, registered in fourth year, St. Michael's College. We were privileged this year to dedicate the 1939 edition to President Cody on the occasion of the fiftieth anniversary of his graduation. *Torontonensis* provides one of the most important and valuable records of undergraduates activities in the entire university. It contains the photograph and biography of every member of the graduating year, a record of every athletic team and of every undergraduate organisation and fraternity, together with exceptionally fine views of the university. *Torontonensis* is also a great unifying influence in the university, as students from every college and factulty make up the staff of the year book.

Financial aid was again given by the Council to the University Drama Committee, and a group of South African students was entertained by the Council during the Christmas vacation. The Council was host again this year at the garden parties given on June 8th and 9th following the conferring of degrees at Convocation Hall. The President of the University and Mrs. Cody, the president of the Students' Administrative Council, the vice-presidents of the Council, the president of the Engineering Society, the president of the Medical Society, and the president of the Dental Parliament received the guests at the Thursday garden party. At the Friday garden party, President and Mrs. Cody and the president and vice-presidents of the Students' Administrative Council received the guests. A very interesting feature at the garden parties this year was the presentation by President Cody for the first time of the newly-created Honour Award of the Students' Administrative Council. Thirty-eight students in the graduating year, selected by a committee of the Council, received these awards on the day of their graduation. The award was given for outstanding contribution to the undergraduate life of the university. Through the co-operation of the Council, the Graduation Ball was again held in Hart House on Friday, June 9th. The beauty of the whole occasion will remain long in the minds of those who attended this function. This was again by far the largest social event of the year. More than twenty-seven hundred guests attended the ball. The arranging for this function was carried out in the Council offices.

The Council held membership in the National Federation of Canadian University Students, and is by far the largest financial contributor to this organisation. The headquarters of this organisation were this year moved to the Council's offices.

The Debates Committee arranged a debate in Hart House with a representative from Sydney University, Australia, and one from the University of Melbourne, Australia, as guests. A contribution to their expenses was made by the Students' Administrative Council, and they were entertained by the Council while they were visiting the University of Toronto.

The committee on Sporting Activities looked after the organisation and administration of the University of Toronto Band. New uniforms were provided for the band a year ago, at a cost of $1500.00. The band has a membership of sixty students, and is composed of students from every faculty and college in the university. The Council sent the band to the out-of-town games of the football team in Montreal, Kingston and London, and arranged for special excursions for students to these games. The band played at all home games. The cheerleaders and skits at half-time at the rugby games, are directly under the Sporting Activities Committee. The Council again provided student marshals to look after the student admission to the football games at the stadium, the hockey games, and the admission to the skating rink provided by the new athletic fee. These same student marshals looked after the crowds of students and staff entering the university enclosure on the occasion of the Royal Visit on May 22nd. The distribution of tickets admitting students to this enclosure was looked after from the Council offices.

The University of Toronto Symphony Orchestra, one of the important activities of the Students' Administrative Council, had a particularly successful year under the able leadership of Mr. Brock McElheran, in third year, University College. The orchestra was invited to give a concert at the Ontario Agricultural College in Guelph, where they were sent by the Council in January. The orchestra was entertained at dinner at the college and at a reception following the concert. The Memorial Hall at the Ontario Agricultural College was filled by members of the staff and students, and the orchestra gave a fine performance. The following week they gave a concert in Convocation Hall for the student body, which was very well attended. Members of the orchestra, like those of the university band, are selected from every constituent part of the university.

To encourage participation of students in winter sports, particularly skiing, the Students' Administrative Council organised two ski week-ends at Limberlost Lodge, Muskoka. Arrangements were made to provide transportation and excellent accommodation at Limberlost Lodge for two days, including meals, at the cost of $7.75. Several hundred students took advantage of these special week-ends. In order to provide an opportunity for students to see the New York World's Fair at low cost, the Council organised a trip to New York for the purpose of visiting the Fair at the conclusion of the examinations. The trip lasted for ten days, and the total cost, including transportation and accommodation, was $31.00.

This year a radio programme was instituted each Wednesday night over Station CKCL for fifteen minutes. The programme was based on happenings about the university taken from the columns of *The Varsity*, and the script was edited in the Council offices before going on the air. The programme was well received, and on two broadcasts the activities of the Students' Administrative Council were outlined. Letters of appreciation came from a number of far distant places.

Again this year the Council was privileged to meet with the President and members of the Board of Governors in Simcoe Hall on the morning of November 11th, and proceed with them to the Service of Remembrance held at the Memorial Tower. Every member of the Council attended the service.

The greatest advance in the Council's activities, and one which was its chief concern this year, was giving practical assistance to less fortunate fellow-students. This help was furnish by its own initiative and its own resources. The help was extended through the Council's loan fund, its housing service and its employment bureau.

The Loan Committee of the Council is composed of a member of the Board of Governors of the university, Mr. J. J. Gibson, and the permanent officers of the Council. Mr. Gibson is chairman of the committee. A total appropriation of $11,500 has been made from the surplus funds of the Council for the purpose of making loans. This has been of the greatest help to a large number of students, making it possible for them to complete their university courses and graduate. That this assistance has been greatly appreciated is shown by the fact that students have made these loans a first charge on their earnings after they have been established, and repayments have been so satisfactory that to date it has been possible for the Council to loan almost $25,000. In the month of January, 1939, approximately $6,000 was distributed in loans to students. The Council wishes to record the great debt it owes to Mr. Gibson, and to express to him its most sincere thanks for his help in the administration of this fund. His judgment and his wide experience are responsible, more than any other single factor, for the successful operation of this fund.

The Housing Service is continuing to be of the greatest benefit to a large number of students living outside the city. Rooms in boarding houses adjacent to the university are given a most rigid inspection during the summer months, and the information is recorded on a card index in the Council's office. Approximately twelve hundred rooms in eight hundred homes were inspected last year. Parents of the first year students particularly rely to a great extent on the Students' Administrative Council to get proper accommodation for their sons and daughters, and as the Council is responsible to the owners of the houses for the students whom they send to them, it is possible to get a much lower rate than the individual student could obtain. One result of this activity has been that each year a number of homes are obtained which will provide free room and board in exchange for services about the house. This has been a great help to students who are in difficult financial circumstances. This was made possible for sixty-eight students attending the university during the past year.

The Students' Administrative Council Employment Bureau has had the most successful year in its history. The bureau has now become known amongst employers, owing to the fact that persons sent to fill the various positions available were selected with great care and proved satisfactory. The bureau has become one of the most important activities of the Council, and more students each year are relying to a great extent on this service to finance their university courses. The bureau is concerned with providing summer, Christmas and part-time work, and again this year as in the past year a number of permanent positions covering a wide field have been obtained for students when they graduated. During the past academic year slightly more than sixteen hundred students were referred to positions.

The great number of students using the facilities which the Council has provided to help them finance their course has taxed to the limit the increased office space so kindly provided this year by the Board of Governors, and has placed a particularly heavy burden on the staff. As a result of the great need, especially in the field of student help, at the suggestion of the President of the University and the Students' Administrative Council, Professor S. N. F. Chant, the President's representative on the Council, and Mr. E. A. Macdonald visited Yale University, the University of Pennsylvania and Pittsburgh University, all of which have particularly highly specialised departments for this type of work. The trip was made with a view to organising more effectively the services which have been initiated by the Council for this work. The report of this trip, together with the recommendations of Professor Chant, was presented to the new Committee on Student Service and to the Students' Administrative Council, and approved. The report was also presented to the President of the University and to the Board of Governors, and approved.

The employment bureau, the loan fund and the housing service have made it possible for a large number of students to continue their university courses, graduate, and become established in a profession or in business, where otherwise this would not have been possible. So much have these services been appreciated by students that entirely unsolicited sums of money amounting to approximately $1,500 have been given to the secretary-treasurer of the Students' Administrative Council this year and the year previous, without condition, to help worthy students who require assistance. The Council wishes to record its most grateful thanks to the donors of this money. Already certain students who have been helped by this fund have repaid the money advanced to them in full, although there was no obligation to do so, and have sent in with their repayment extra donations.

At the opening of the term in October the members of the Council were the guests of President and Mrs. Cody at dinner. This function, which the President gives annually, is one of the happiest occasions of the year, and is anticipated with the greatest of pleasure.

A second-hand Book Exchange is operated for the women students. Many hundreds of books are brought in and resold each year.

APPENDIX B

REPORT OF THE REGISTRAR

(A. B. Fennell, Esq., M.A.)

I beg to submit the following statistics for the year ending June 30th, 1939:—

(*a*) Distribution of the staff of the University and University College (furnished by the Bursar).

(*b*) Distribution of the staffs of the federated Arts Colleges (furnished by the Registrars of the colleges).

(*c*) Registration of students by faculties and years.

(*d*) Enrolment in the Arts Colleges (furnished by the Registrars of the colleges).

(*e*) Enrolment in the university departments in Arts (furnished by the departments).

(*f*) Registration in courses in the Faculty of Arts.

(*g*) Registration in courses in the School of Graduate Studies (furnished by the Secretary of the School).

(*h*) Results of annual examinations (furnished by the Secretaries of the faculties).

(*i*) Admission to degrees.

(*j*) Admission to diplomas and certificates.

(*k*) Geographical distribution of students (furnished by the Secretaries of the faculties).

(a) Distribution of the Staff of the University and University College:

	Professors	Associate Professors	Assistant Professors	Associates	Lecturers	Directors	Assistant Directors	Instructors	Other Sessional Appointments
University (Faculty of Arts)	46	36	36	—	38	—	—	—	138
University College	17a	6	10	—	8	—	—	—	1
Faculty of Medicine	26b	12	34c	32	18c	—	—	—	208
Faculty of Applied Science and Engineering	16	13	10	—	23d	—	—	—	51
Faculty of Household Science	2	—	2	—	7	—	—	—	6
Ontario College of Education	7	5	4	—	14a	—	—	28	—
Faculty of Forestry	2	2	1	—	2	—	—	—	—
Faculty of Music	2	—	—	—	—	—	—	—	—
Faculty of Dentistry	10	10	2	21	3	—	—	—	7
Social Science	1	—	1	—	18b	—	—	—	—
School of Nursing	—	—	—	—	24e	1	1	1	—

a 1 also in University
b 1 also in Arts
c 1 also in Dentistry
d 1 also in Ontario College of Education
e 2 also in Arts; 12 also in Medicine; 1 also in Dentistry; 1 also in Ontario College of Education

(b) Distribution of the Staffs of the Federated Arts Colleges:

	Victoria College	Trinity College	St. Michael's College
Professors	11	12	15
Associate professors	4	4	8
Assistant professors	6	....	2
Lecturers	14	7	17
Instructors	1	....	8
Fellows	1	1	....
Readers	4	2	....

(c) Registration of Students by Faculties and Years:

The number of students registered in the university, in colleges and faculties, in the session 1938-39, was 7,322, distributed as follows:

				Men	Women	Total
Faculty of Arts				2,160	1,643	3,803
University of Toronto	695	405	1,100			
University College	582	546	1,128			
Victoria College	427	432	859			
Trinity College	226	161	387			
St. Michael's College	230	103	333			
Registered twice	......	4	4			
Faculty of Medicine				774	61	825
Faculty of Applied Science and Engineering				918	6	924
Faculty of Household Science				......	44	44
Ontario College of Education				502	342	844
Faculty of Forestry				33	......	33
Faculty of Music				28	27	55
School of Graduate Studies				430	135	565
Faculty of Dentistry				231	20	251
Registered twice				26	6	32
				5,050	2,272	7,322

In departments there were registered 662, distributed as follows:

	Men	Women	Total
Department of Social Science	16	72	88
School of Nursing	......	439	439
Physical Education for Women	......	24	24
University Extension (Occupational Therapy)	......	47	47
University Extension (Physiotherapy)	......	44	44
University Extension (Aerial Navigation)	20	......	20
	36	626	662

The grand total of registration for the whole university was 7,960, of whom 5,086 were men and 2,874 were women.

In addition there were 5,927 persons registered in the Department of University Extension in courses and at provincial centres which are referred to in detail in Appendix A (14).

The figures may be further analysed as follows:

Faculty of Arts

University of Toronto

	Men	Women	Total
Teachers' Classes and Summer Session	388	369	757
Occasional Arts students	307	36	343
	695	405	1,100

University College

	Men	Women	Total
First year undergraduates	147	184	331
Second year undergraduates	181	165	346
Third year undergraduates	142	132	274
Fourth year undergraduates	102	51	153
Occasional students	10	12	22
Exchange students	......	2	2
	582	546	1,128

Victoria College

	Men	Women	Total
First year undergraduates	135	138	273
Second year undergraduates	123	115	238
Third year undergraduates	104	108	212
Fourth year undergraduates	62	66	128
Occasional students	3	3	6
Exchange students	......	2	2
	427	432	859

Trinity College

	Men	Women	Total
First year undergraduates	65	66	131
Second year undergraduates	51	50	101
Third year undergraduates	67	31	98
Fourth year undergraduates	42	14	56
Occasional students	1	....	1
	226	161	387

St. Michael's College

	Men	Women	Total
First year undergraduates	83	20	103
Second year undergraduates	82	40	122
Third year undergraduates	41	31	72
Fourth year undergraduates	22	11	33
Occasional students	2	1	3
	230	103	333

Faculty of Medicine

	Men	Women	Total
First year undergraduates	133	10	143
Second year undergraduates	110	8	118
Third year undergraduates	117	12	129
Fourth year undergraduates	128	9	137
Fifth year undergraduates	123	10	133
Sixth year undergraduates	127	11	138
Candidates for Degree of B.Sc. (Med.)	4	....	4
Candidates for Diploma in Psychiatry	7	1	8
Candidates for Diploma in Public Health	18	....	18
Candidate for Diploma in Radiology	3	....	3
Graduate students	2	....	2
Occasional students	2	....	2
	774	61	835

Faculty of Applied Science and Engineering

	Men	Women	Total
First year undergraduates	314	5	319
Second year undergraduates	224	....	224
Third year undergraduates	211	1	212
Fourth year undergraduates	163	....	163
Fifth year undergraduates	6	....	6
	918	6	924

Faculty of Household Science

	Men	Women	Total
First year undergraduates	....	12	12
Second year undergraduates	....	4	4
Third year undergraduates	....	21	21
Fourth year undergraduates	....	3	3
Occasional students	....	4	4
	....	44	44

Ontario College of Education

	Men	Women	Total
Teachers' Course:			
Students in attendance	162	191	353
Extra-mural students	106	68	174
Librarians' Course:			
Students in attendance	2	42	44
Extra-mural students	....	9	9
Students in B.Paed. course	237	35	272
Registered twice	5	3	8
	502	342	844

Faculty of Forestry

	Men	Women	Total
First year undergraduates	14	....	14
Second year undergraduates	4	....	4
Third year undergraduates	9	....	9
Fourth year undergraduates	6	....	6
	33	....	33

Faculty of Music

	Men	Women	Total
First year undergraduates	3	7	10
Second year undergraduates	9	10	19
Third year undergraduates	16	10	26
	28	27	55

School of Graduate Studies

	Men	Women	Total
Candidates for Degree of Ph.D.	116	18	134
Candidates for Degree of M.A.	115	62	177
Candidates for Degree of M.Com.	1	....	1
Candidates for Degree of M.S.	2	1	3
Candidates for Degree of M.A.Sc.	24	....	24
Candidates for Degree of E.E.	1	....	1
Candidates for Degree of Mech.E.	2	....	2
Candidates for Degree of D.Paed.	53	2	55
Candidates for Degree of M.Sc.F.	1	....	1
Candidates for Degree of M.Sc. (Dent.)	4	....	4
Candidates for Degree of M.S.A.	12	....	12
Candidates for Degree of Mus.Doc.	4	....	4
Graduate students	94	51	145
Auditors	1	1	2
	430	135	565

Faculty of Dentistry

	Men	Women	Total
First year undergraduates	48	3	51
Second year undergraduates	46	....	46
Third year undergraduates	47	1	48
Fourth year undergraduates	37	....	37
Fifth year undergraduates	48	1	49
Candidates for Degree of B.Sc. (Dent.)	3	....	3
Candidates for Diploma in Dental Nursing	....	15	15
Occasional students	2	....	2
	231	20	251

Department of University Extension

	Men	Women	Total	Grand Total
B.A. Course				
Summer Session:				
Regular students	144	117	261	.....
Occasional students	8	9	17	278
Teachers' Classes:				
Toronto:				
Regular students	278	254	532	.....
Occasional students	13	6	19	......
Brampton:				
Regular students	13	14	27	578
Specialists' Courses				
Summer Session:				
Regular students	8	2	10	10
Registered twice	76	33	109	109
	338	369	757	757

Department of Social Science

	Men	Women	Total
First year full-time students	9	36	45
Second year full-time students	4	15	19
Part-time students	3	21	24
	16	72	88

School of Nursing

	Men	Women	Total
Full-time students	......	115	115
Part-time students	......	324	324
	......	439	439

(d) Enrolment in the Arts Colleges

(1) University College:

	English	Ethics	French	German	German (Sc.)	Greek	Greek and Roman History	Latin	Oriental History	Oriental Languages	Oriental Literature
First Year—											
Pass	164	15	208	40	58	5	4	7	4	20	88
Honour	44	....	37	18	....	1	21	6	....	....	....
Second year—											
Pass	135	28	142	16	40	3	11	6	9	12	117
Honour	37	16	36	19	....	3	3	12	3	3	....
Third Year—											
Pass	142	74	79	21	....	6	41	4	15	3	86
General	8	....	2	1	....	....	1	1	2	....	....
Honour	11	9	18	10	....	4	4	10	2	2	....
Fourth Year—											
Pass	....	....	....	....	....	6	11	....	....	....	71
General	2	2	2	....	....	....	....	1	....	....	....
Honour	16	12	18	8	....	9	5	9	2	2	....
Totals—											
Pass	441	117	429	77	98	20	47	17	28	35	362
General	10	2	4	1	....	....	1	2	2	....	....
Honour	108	37	109	55	....	17	33	37	7	7	....
Teachers' Classes	132	....	25	....	....	....	....	2	....	....	....
Graduate Studies	56	....	11	4	....	10	....	9	....	4	....
Other Faculties	....	9	167	248	....	....	....	....	....	....	....
Grand Total	747	165	745	365	98	47	81	67	37	46	362

(2) Victoria College:

	English	Ethics	French	German	German (Sc.)	Greek	Greek and Roman History	Latin	Oriental History	Oriental Languages	Religious Knowl.
First Year—											
Pass	128	16	159	14	33	6	31	7	1	4	94
Honour	42	....	37	13	....	4	16	13	2	....	....
Second Year—											
Pass	105	21	80	10	21	4	15	11	6	1	110
Honour	25	9	29	15	....	5	8	12	2	2	....
Third Year—											
Pass	65	63	42	6	....	3	42	4	2	3	67
General	8	1	....	4	....	....	5	....	....	....	....
Honour	22	9	28	19	....	3	2	6	2	2	....
Fourth Year—											
Pass	....	12	....	....	....	....	30	....	....	....	45
General	11	3	9	4	....	....	2	....	....	....	....
Honour	29	10	21	13	....	1	4	5	....	....	....
Totals—											
Pass	298	112	281	30	54	13	118	22	9	8	316
General	19	4	9	8	....	....	7	....	....	....	....
Honour	118	28	115	60	....	13	30	36	6	4	....
Teachers' Classes	95	....	4	....	....	....	....	....	....	....	....
Graduate Studies	13	2	5	1	....	....	3	3	....	....	....
Grand Total	543	146	414	99	54	26	158	61	15	12	316

(3) Trinity College:

	English	Ethics	French	German	German (Sc.)	Greek	Greek and Roman History	Latin	Oriental History	Oriental Languages	Religious Knowl.
First Year—											
Pass	53	9	68	9	11	2	6	5	....	....	112
Honour	26	16	22	4	....	....	4	5	1	....	....
Second Year—											
Pass	46	13	41	12	9	1	1	....	....	....	86
Honour	7	4	8	3	....	1	2	2	....	....	....
Third Year—											
Pass	40	15	23	8	....	....	1	2	....	....	91
Honour	7	4	3	2	....	3	3	3	....	....	....
Fourth Year—											
Pass	....	....	....	....	....	1	....	....	....	....	44
General	....	....	....	....	....	1	1	1	....	....	....
Honour	5	6	9	8	....	....	1	1	....	....	....
Totals—											
Pass	139	37	132	29	20	4	8	7	....	....	333
General	....	....	....	....	....	1	1	1	....	....	....
Honour	45	30	42	17	...	4	10	11	1	....	....
Grand Total	184	67	174	46	20	9	19	19	1	..	333

(4) St. Michael's College:

	English	Ethics	French	German	German (Sc.)	Greek	Greek and Roman History	Latin	Philosophy	Religious Knowl.
First Year—										
Pass	43	36	47	8	8	5	6	26	59	63
Honour	7	....	11	2	. .	1	....	6	9	..
Second Year—										
Pass	64	37	40	7	....	3	6	24	62	87
Honour	8	8	9	2	. .	1	....	6	9	. .
Third Year—										
Pass	39	19	27	5	....	2	1	20	39	56
Honour	2	3	8	1	....	....	....	5	2	....
Fourth Year—										
Pass	. .	....	....	....	....	....	....	. .	3	26
Honour	9	6	6	2	....	....	....	3	12	....
Totals—										
Pass	146	92	114	20	8	10	13	70	163	232
Honour	26	17	34	7	....	2	....	20	32	...
Grand Total	172	109	148	27	8	12	13	90	195	232

(e) Enrolment in the University Departments in Arts:

The following tables exhibit the numbers attending lectures in the university departments in the Faculty of Arts, together with the number of those taking the practical work in the laboratories:

Department of Anthropolgy

	Pass	Pass and Honour	Honour
Faculty of Arts—			
First Year	80	77	24
Second Year	....	15	15
Third Year	....	....	18
Fourth Year	....	24	8
School of Graduate Studies	....	14	....
Department of Social Science—			
First Year	....	15	....
Totals	80	145	65

Department of Applied Mathematics

	Pass	Pass and Honour	Honour
Faculty of Arts—			
First Year	4	....	....
Second Year	3	....	45
Third Year	4	....	21
Fourth Year	....	1	13
Occasional Students	....	....	4
Faculty of Applied Science and Engineering—			
Second Year	....	29	....
Third Year	....	10	....
Fourth Year	....	6	....
School of Graduate Studies	....	....	11
Totals	11	46	94

Department of Archaeology

	Pass	Honour
Faculty of Arts—		
First Year	....	7
Second Year	19	17
Third Year	....	18
Fourth Year	....	7
School of Graduate Studies	....	8
Totals	19	57

Department of Astronomy

	Pass	Pass and Honour	Honour	Laboratory
Faculty of Arts				
First Year	3	....	....	3
Second Year	6	19	....	6
Third Year	7	1	20	19
Fourth Year	....	....	2	....
Faculty of Applied Science and Engineering—				
Second Year	24	....	....	....
School of Graduate Studies	....	....	1	....
Department of University Extension—				
Aerial Navigation	20	....	....	....
Totals	60	20	23	28

Department of Biology

	Lecture Courses			Laboratory Courses	
	1 or 2 or 3 hours		4 or 5 or 6 hours		
	Pass	Honour	Honour	Pass	Honour
Faculty of Arts—					
First Year	90	123	....	90	123
Second Year	97	89	....	97	89
Third Year	60	42	5	54	20
Fourth Year	....	10	2	....	12
Teachers' Classes	55	....	....	55	....
Occasional Students	2	....	....	2	....
Faculty of Medicine—					
First Year	....	143	....	....	143
Faculty of Household Science—					
First Year	....	11	....	....	11
Faculty of Forestry—					
First Year	....	14	....	....	14
Fourth Year	....	6	....	....	6
School of Graduate Studies	....	....	....	....	53
Faculty of Dentistry—					
First Year	....	51	....	....	51
School of Nursing	11	....	....	11	...
College of Optometry of Canada	....	23	....	....	23
Totals	315	512	7	309	545

Department of Botany

	Lecture Courses		Laboratory Courses	
	1 or 2 or 3 hours			
	Pass	Honour	Pass	Honour
Faculty of Arts—				
First Year	85	138	7	138
Second Year	11	20	11	15
Third Year	8	4	8	4
Fourth Year	....	13	....	13
Faculty of Applied Science and Engineering—				
First Year	....	....	80	..
Faculty of Household Science—				
First Year	12	....	12	.
Faculty of Forestry—				
Fourth Year	....	6	..	6
School of Graduate Studies	....	26		26
Ontario College of Pharmacy—				
First Year	141	....	141	....
Second Year	117	....	117	....
Totals	374	207	376	202

Department of Chemistry

	Pass	Pass and Honour	Honour	Laboratory
Faculty of Arts—				
First Year	169	....	166	256
Second Year	99	....	102	156
Third Year	27	....	26	53
Fourth Year	5	....	14	17
Teachers' Classes	33	....	....	33
Occasional Students	3	....	....	4
Faculty of Medicine—				
First Year	....	147	....	147
Second Year	....	106	....	91
Faculty of Applied Science and Engineering—				
First Year	....	105	....	105
Second Year	....	63	....	63
Third Year	....	147	....	120
Fourth Year	....	14	....	14
Faculty of Household Science—				
First Year	....	14	....	14
Second Year	....	4	....	....
Faculty of Forestry—				
First Year	14	....	....	14
Second Year	7	....	....	3
School of Graduate Studies	....	....	68	36
Faculty of Dentistry—				
First Year	....	53	....	53
Second Year	....	46	....	46
Third Year	....	47	....	47
Ontario College of Pharmacy—				
First Year	142	....	....	142
Second Year	120	....	....	119
Totals	619	746	376	1,533

Department of Fine Art

	Pass	Pass and Honour	Honour
Faculty of Arts—			
First Year	33	....	6
Second Year	39	24	7
Third Year	31	24	9
Fourth Year	...	23	....
Occasional Students	3	....	2
School of Graduate Studies	2	....	1
Totals	108	71	25

Department of Food Chemistry
(Faculty of Household Science)

	Pass	Honour	Laboratory
Faculty of Arts—			
Second Year	43	....	43
Third Year	21	....	21
Fourth Year	....	31	31
Faculty of Household Science—			
Second Year	4	....	4
Third Year	9	10	19
Fourth Year	....	3	3
Occasional Students	....	2	2
School of Graduate Studies	....	3	3
Totals	77	49	126

Department of Geography

	Pass	Pass and Honour	Honour	Laboratory
Faculty of Arts—				
First Year	83	46	22	151
Second Year	59	2	19	80
Third Year	58	1	....	59
Teachers' Classes	76	....	4	80
Occasional Students	7	.	....	7
Ontario College of Education	319		....	....
School of Graduate Studies	....	....	2	1
Totals	602	49	47	378

Department of Geology and Palaeontology

	Lecture Courses					Laboratory Courses	
	1 or 2 or 3 hours		4 or 5 or 6 hours		7 or more hours		
	Pass	Honour	Pass	Honour	Honour	Pass	Honour
Faculty of Arts—							
First Year	88	62	....	....	....	....	....
Second Year	34	19	....	....	....	15	19
Third Year	39	14	....	5	....	23	15
Fourth Year	....	....	....	6	5	....	11
Teachers' Classes	65	....	....	....	. . .	65	. . .
Faculty of Applied Science & Engineering							
Second Year	89	....	..	....	. .	63	
Third Year	59	....	....	....	..	47	....
Fourth Year	31	....	2	....	....	33	....
Faculty of Forestry—							
Second Year	4	....	....	....	....	....	....
Third Year	9	....	...	....	....	....	....
School of Graduate Studies	....	6	....	15	2	....	23
Totals	418	101	2	26	7	246	68

Department of History

	Lecture Courses			
	1 or 2 or 3 hours		4 or 5 or 6 hours	7 or more hours
	Pass	Honour	Honour	Honour
Faculty of Arts—				
First Year	133	116	....	....
Second Year	118	39	79	22
Third Year	89	45	9	20
Fourth Year	5	7	31	9
Teachers' Classes	116	....	....	....
Occasional Students	3	2	9	....
School of Graduate Studies	....	8	16	....
Totals	464	217	144	51

Department of Household Science
(Faculty of Household Science)

	Pass	Pass and Honour	Honour	Laboratory
Faculty of Arts—				
First Year	....	....	69	....
Second Year	27	....	44	71
Third Year	15	....	28	43
Fourth Year	....	....	32	32
Faculty of Household Science—				
First Year	....	11	....	....
Second Year	....	4	....	4
Third Year	9	....	12	21
Fourth Year	....	....	3	3
School of Graduate Studies	....	....	3	1
Totals	51	15	191	175

Department of Italian and Spanish

	Italian		Spanish	
	Pass	Honour	Pass	Honour
Faculty of Arts—				
First Year	31	8	116	27
Second Year	22	7	54	20
Third Year	15	5	61	19
Fourth Year	....	4	1	14
School of Graduate Studies	....	2	....	6
Totals	68	26	232	86
Methods of Research, Bibliography—7				

Department of Law

	Pass	Honour
Faculty of Arts—		
First Year	....	104
Second Year	....	35
Third Year	....	30
Fourth Year	....	38
Faculty of Applied Science and Engineering—		
Third Year	60	....
Faculty of Forestry—		
Third Year	12	....
School of Graduate Studies	....	16
Department of University Extension—		
Evening Classes	40	....
Bachelor of Laws and Master of Laws Courses	....	12
Totals	112	235

Department of Mathematics

	Lecture Courses					
	1 or 2 or 3 hours		4 or 5 or 6 hours		7 or more hours	
	Pass	Honour	Pass	Honour	Pass	Honour
Faculty of Arts—						
First Year	42	178	....	....	....	40
Second Year	83	99	....	....	....	35
Third Year	59	44	....	....	....	4
Fourth Year	4	11	....	....	....	8
Teachers' Classes	15	....	....	....	....	....
Occasional Students	6	....	....	....	....	....
Faculty of Applied Science and Engineering—						
First Year	....	....	318	....	....	....
Second Year	118	....	42	....	....	....
Third Year	10	....	....	....	....	....
Faculty of Forestry—						
First Year	....	14	....	....	....	....
School of Graduate Studies	....	....	....	12	....	....
College of Optometry of Canada	16	....	....	....	....	....
Totals	353	346	360	12	....	87

Department of Military Studies

	Pass	Pass and Honour
Faculty of Arts—		
First Year	13	20
Second Year	14	13
Third Year	7	2
Fourth Year	....	1
Teachers' Classes	1	....
Faculty of Medicine—		
First Year	5	....
Second Year	4	....
Fourth Year	4	....
Sixth Year	1	....
Faculty of Applied Science and Engineering—		
First Year	23	....
Second Year	6	....
Third Year	2	....
Fourth Year	1	....
School of Graduate Studies	4	....
Faculty of Dentistry—		
First Year	1	....
Second Year	3	....
Ontario College of Pharmacy—		
Second Year	3	....
Totals	92	36

Department of Mineralogy and Petrography

	Pass	Pass and Honour	Honour	Laboratory
Faculty of Arts—				
First Year	23	....	....	23
Second Year	2	....	31	33
Third Year	....	2	20	14
Fourth Year	....	1	10	11
Teachers' Classes	93	....	....	93
Occasional Students	1	....	....	1
Faculty of Applied Science and Engineering—				
First Year	....	170	....	170
Second Year	....	43	....	43
Third Year	....	43	....	43
Fourth Year	....	2	....	2
Faculty of Forestry—				
Second Year	....	5	....	5
School of Graduate Studies	....	....	19	19
Totals	119	266	80	457

Department of Music

	Lecture Courses
	4 or 5 or 6 hours
	Honour
Faculty of Arts—	
First Year	9
Second Year	5
Total	14

Department of Philosophy

	Pass	Pass and Honour	Honour
Faculty of Arts—			
First Year	63	....	108
Second Year	136	....	78
Third Year	98	72	52
Fourth Year	44	....	60
Teachers' Classes	44	....	....
School of Graduate Studies	....	....	59
Department of Social Science—			
First Year	12	....	....
Totals	397	72	357

Department of Physics

	Pass	Pass and Honour	Honour	Laboratory
Faculty of Arts—				
First Year	122	....	170	215
Second Year	62	....	76	130
Third Year	30	....	28	55
Fourth Year	....	....	46	42
Teachers' Classes, Summer Session	7	....	....	5
Occasional Students	...	....	6	6
Candidates for Specialists' Certificates, Summer Session	....	....	7	5
Faculty of Medicine—				
First Year	....	146	....	146
Diploma in Radiology	....	....	3	3
Faculty of Applied Science and Engineering—				
First Year	....	....	23	23
Second Year	...	....	12	12
Third Year	....	....	9	9
Fourth Year	....	....	8	8
Faculty of Household Science—				
First Year	....	....	14	14
Candidates for Specialists' Certificates	....	....	1	1
Faculty of Forestry—				
First Year	14	....	....	14
School of Graduate Studies	....	....	60	24
Faculty of Dentistry—				
First Year	....	51	....	51
Department of University Extension—				
Aerial Navigation	....	20	....	19
Physiotherapy	24	....	....	24
College of Optometry of Canada	....	50	....	48
Totals	259	267	463	854

Department of Political Science

	Lecture Courses			
	1 or 2 or 3 hours		4 or 5 or 6 hours	7 or more hours
	Pass	Honour	Honour	Honour
Faculty of Arts—				
First Year	99	71	87	....
Second Year	177	15	2	77
Third Year	121	50	....	62
Fourth Year	59	38	....	74
Teachers' Classes	36	....	....	....
Occasional Students	2	3	....	....
Faculty of Household Science—				
Second Year	4	....	....	....
Third Year	15	....	....	....
Faculty of Forestry—				
Third Year	9	....	....	....
School of Graduate Studies	....	4	2	16
Totals	522	181	91	229

Department of Psychology

	Lecture Courses				Laboratory Courses	
	1 or 2 or 3 hours		4 or 5 or 6 hours	7 or more hours		
	Pass	Honour	Honour	Honour	Pass	Honour
Faculty of Arts—						
First Year	165	48	....	....	....	....
Second Year	155	26	2	11	155	13
Third Year	140	39	....	12	....	12
Fourth Year	....	58	7	9	....	19
Teachers' Classes	70	....	....	....	48	....
Teachers' Classes, Summer Session	60	....	....	....	....	....
Teachers' Classes, Correspondence	32	....	....	....	....	....
Occasional Students	4	....	....	....	2	....
Faculty of Medicine—						
Second Year	106	....	....	....	....	....
Third Year	....	....	....	....	....	17
Fourth Year	10	....	....	....	....	....
Faculty of Household Science	24	....	....	....	....	....
School of Graduate Studies	....	50	....	....	....	30
Department of Social Science—						
First Year	23	....	....	....	....	....
Second Year	4	....	....	....	....	....
School of Nursing	15	....	....	....	....	....
Department of University Extension—						
Occupational Therapy	22	....	....	....	....	....
Physiotherapy	23	....	....	....	....	....
Centralised Pupil Nurses	250	....	....	....	....	....
Evening Classes	150	....	....	....	....	....
Workers' Educational Education	60	....	....	....	....	....
College of Optometry of Canada	25	....	....	....	29	....
Totals	1,338	221	9	32	234	91

(f) Registration in Courses in the Faculty of Arts

Courses	First Year				Second Year				Third Year				Fourth Year				Totals
	U C	V C	T C	M C	U C	V C	T C	M C	U C	V C	T C	M C	U C	V C	T C	M C	
Pass	136	113	53	70	136	103	54	92	128	81	50	54	....	....	....	....	1,070
General	....	....	....	....	....	....	....	....	14	16	....	2	7	19	5	3	66
Classics	1	3	....	1	2	5	....	1	4	2	3	1	5	1	....	....	29
English Language and Literature	13	16	9	3	16	15	4	5	9	11	1	1	....	....	....	....	103
Greek and Hebrew	....	...	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1
Hebrew and Ancient History	...	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
Latin (French or Greek Option) Div. I					1	2	1	2	1	1	....	5	1	3	1	2	
Latin (French or Greek Option) Div. II	1	5	1	5	....	....	1	1	....	....	....	....	....	....	....	....	34
Modern Languages	18	15	10	3	20	12	3	1	12	16	3	3	15	15	8	4	158
Oriental Languages	...	....	....	....	3	1	....	....	....	2	....	....	2	....	....	....	8
English and History	....	....	....	....	....	....	....	....	....	....	....	....	6	13	2	4	25
Fine Art	3	2	2	....	5	1	....	1	3	2	1	....	....	....	....	....	20
Law	7	4	3	....	25	5	1	1	12	5	6	1	22	2	4	....	98
Social and Philosophical Studies	40	27	10	6	....	....	....	....	....	....	....	....	....	....	....	....	83
Modern History	....	....	....	....	14	5	3	....	9	5	6	....	3	2	4	....	51
Music	3	3	2	1	....	4	....	1	....	....	....	....	....	....	....	....	14
Philosophy	....	....	....	....	3	....	1	4	3	1	....	1	1	5	1	7	27
Philosophy (English or History Option)	....	4	1	....	3	4	1	4	....	1	4	1	3	5	4	6	41
Political Science and Economics	....	....	....	....	10	5	2	....	8	7	10	1	7	7	10	1	68
Psychology	....	....	....	....	8	1	2	....	10	2	....	....	4	4	1	....	32
Sociology	....	....	....	....	8	5	1	....	5	7	2	....	5	8	....	....	41
Mathematics and Physics (Div. I)									1	3	1	....	....	2	....	....	
Mathematics and Physics (Div. II)									2	1	1	....	5	1	1	1	
Mathematics and Physics (Div. III)	19	8	6	2	15	15	2	2	1	....	....	....	1	....	....	....	105
Mathematics and Physics (Div. IV)									3	4	1	...	5	1	1	....	
Physics and Chemistry	....	....	....	....	5	4	....	1	1	2	....	....	3	....	....	....	16
Physics and Geology	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	2
Science	23	24	7	5	....	....	....	....	....	....	....	....	....	....	....	....	59
Biological and Medical Sciences	....	....	....	....	3	2	1	....	5	4	2	....	4	6	....	1	28
Biology	....	....	....	....	3	2	....	....	1	2	....	....	2	1	2	....	13
Biology and Physics	....	....	....	....	1	1	....	....	1	....	....	....	....	....	....	....	3
Chemistry	....	....	....	....	8	1	5	3	3	5	....	1	4	1	2	....	33
Chemistry, Mineralogy, Geology, Div. I	....	....	....	....	6	3	....	....	1	3	....	....	....	....	....	....	
Chemistry, Mineralogy, Geology, Div. II	....	....	....	....					1	2	....	....	2	2	1	....	21
Food Chemistry	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Geology and Mineralogy	....	....	....	....	1	2	1	....	2	2	....	....	2	2	....	....	12
Household Economics	31	20	11	1	23	18	3	1	13	13	1	....	16	10	2	....	163
Physics	....	....	....	....	....	....	....	....	...	..	....	....	2	1	....	1	4
Physiology and Biochemistry	....	....	....	....	....	3	1	....	1	1	....	....	3	1	....	....	10
Commerce and Finance	36	29	16	6	27	17	14	2	20	11	6	1	22	16	7	3	233
Exchange Students	....	....	....	....	2	2	....	....	....	....	....	....	....	....	....	....	4
Registered Twice	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1
Totals	331	273	131	103	348	240	101	122	274	212	98	72	153	128	56	33	2,675

(g) Registration in Courses in the School of Graduate Studies

Department	Ph.D.	M.A.	M. Com.	M.S.	M.A. Sc.	E.E.	Mech.E.	D. Paed.	M.Sc. F.	Mus. Doc.	M.Sc. (Dent.)	M.S.A.	Grad. Stud.	Auditor
Anatomy	....	2	....	....	....	....	....	....	....	....	....	....	1	....
Anthropology	....	....	....	....	....	....	....	....	....	....	....	....	3	....
Applied Mathematics	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Astronomy	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Biochemistry	7	5	....	....	....	....	....	....	....	....	....	1	3	....
Biology	15	7	....	....	....	....	....	....	....	....	....	4	7	....
Botany	13	2	....	....	....	....	....	....	....	....	....	3	3	....
Chemistry	19	18	....	....	....	....	....	....	....	....	....	3	1	....
Chemical Engineering	2	....	....	....	13	....	....	....	....	....	....	....	....	....
Chinese Archaeology	1	2	....	....	....	....	....	....	....	....	....	....	....	....
Civil Engineering	....	....	....	....	4	....	....	....	....	....	....	....	....	....
Classics	5	8	....	....	....	....	....	....	....	....	....	....	4	....
Dentistry	....	....	....	....	....	....	....	....	....	....	4	....	....	....
Educational Theory	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Electrical Engineering	....	....	....	....	....	1	....	....	....	....	....	....	....	....
English	5	21	....	....	....	....	....	....	....	....	....	....	26	....
Food Chemistry	....	1	....	....	....	....	....	....	....	....	....	....	1	....
Forestry	1	....	....	....	....	....	....	....	1	....	....	....	....	....
Geography	....	....	....	....	....	....	....	....	....	....	....	....	2	....
Geology and Palaeontology	5	6	....	....	....	....	....	....	....	....	....	....	6	....
Germanic Languages	....	3	....	....	....	....	....	....	....	....	....	....	3	....
History	4	9	....	....	....	....	....	....	....	....	....	....	9	....
Household Science	....	4	....	....	....	....	....	....	....	....	....	....	....	....
Law	....	2	....	....	....	....	....	....	....	....	....	....	2	....
Mathematics	5	1	....	....	....	....	....	....	....	....	....	....	5	....
Mechanical Engineering	3	....	....	....	....	....	2	....	....	....	....	....	....	....
Metallurgical Engineering	....	....	....	....	2	....	....	....	....	....	....	....	....	....
Mineralogy	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Mining Engineering	....	....	....	....	2	....	....	....	....	....	....	....	....	....
Music	....	....	....	....	....	....	....	....	....	4	....	....	....	....
Pathological Chemistry	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Pedagogy	....	....	....	....	....	....	....	55	....	....	....	....	....	....
Pharmacology	2	....	....	....	....	....	....	....	....	....	....	....	....	1
Philosophy	13	14	....	....	....	....	....	....	....	....	....	....	22	....
Physics	12	18	....	....	....	....	....	....	....	....	....	....	2	....
Physiology	2	7	....	....	....	....	....	....	....	....	....	....	....	....
Physiological Hygiene	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Political Science		9	1	....	....	....	....	....	....	....	....	1	11	....
Preventive Dentistry	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Psychiatry	....	....	....	....	....	....	....	....	....	....	....	....	1	....
Psychology	6	23	....	....	....	....	....	....	....	....	....	....	10	....
Romance Languages	2	10	....	....	....	....	....	....	....	....	....	....	12	....
Surgery	....	....	....	3	....	....	....	....	....	....	....	....	....	....
Special Committees	2	2	....	....	3	....	....	....	....	....	....	....	11	....
Totals	134	177	1	3	24	1	2	55	1	4	4	12	145	2

(h) Results of the Annual Examinations

Faculty of Arts

First Year

Course	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	TOTALS	Passed	Conditioned	Failed	Transferred	Aegrotat	Debarred
Pass	....	131	107	50	69	357	242	64	51	....	....	66
Supplementals	....	90	72	33	38	233	164	68	1	....	....	....
Classics	....	1	2	....	1	4	4	....	....	....	....	....
English Language and Literature	....	13	16	8	3	40	36	3	1	2	1	2
Latin (French or Greek Option)	....	1	5	1	5	12	10	1	1	....	....	....
Modern Languages	....	18	14	10	2	44	42	2	....	2	....	....
Fine Art	....	2	2	2	....	6	5	1	....	....	....	....
Law	....	5	4	3	....	12	11	1	....	1	1	....
Social and Philosophical Studies	....	39	26	10	5	80	68	10	2	11	1	3
Music	....	3	3	2	1	9	6	3	....	1	....	....
Philosophy (Eng. or Hist. Option)	....	....	4	1	....	5	4	....	1	1	....	....
Mathematics and Physics	....	18	8	5	1	32	21	6	5	....	2	....
Science	....	23	23	8	5	59	38	18	3	....	5	1
Household Economics	....	31	20	11	1	63	56	7	....	6	1	....
Commerce and Finance	....	33	29	16	6	84	58	21	5	3	2	....
Occasional Students	....	3	....	....	....	3	2	1	....	....	....	....
Totals	....	411	335	160	137	1,043	767	206	70	27	13	72

Second Year

Course	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	TOTALS	Passed	Conditioned	Failed	Aegrotat	Debarred
Pass	....	131	102	52	87	372	263	72	37	6	11
Supplementals	....	50	31	11	22	114	82	32	....	....	....
Classics	....	1	5	....	1	7	6	....	1	....	....
English Language and Literature	....	16	14	3	5	38	33	....	5	3	....
Hebrew and Ancient History	....	....	1	....	....	1	....	....	1	....	....
Latin (French or Greek Option) Div. I	....	1	2	1	2	6	6	....	....	....	....
Latin (French or Greek Option) Div. II	....	....	....	1	1	2	2	....	....	....	....
Modern Languages	....	20	11	4	1	36	31	1	4	....	....
Oriental Languages	....	2	1	....	....	3	2	1	....	....	....
Fine Art	....	5	1	....	1	7	6	1	....	....	1
Law	....	25	5	1	1	32	28	....	4	1	....
Modern History	....	14	5	3	....	22	18	4	....	1	1
Music	....	....	4	....	1	5	5	....	....	1	....
Philosophy	....	3	....	1	4	8	7	....	1	....	....
Philosophy (English or Hist. Option)	....	3	4	1	4	12	10	1	1	1	1
Political Science and Economics	....	10	5	2	....	17	8	6	3	....	1
Psychology	....	8	1	2	....	11	8	2	1	...	....
Sociology	....	7	5	1	....	13	13	....	....	....	1
Mathematics and Physics	....	15	14	2	2	33	21	3	9	1	1
Physics and Chemistry	....	5	3	....	1	9	3	1	5	....	....
Physics and Geology	....	....	1	....	....	1	....	....	1	....	....
Biological and Medical Sciences	....	3	3	1	....	7	6	1	....	....	....
Biology	....	3	1	....	....	4	4	....	....	....	....
Biology and Physics	....	1	1	....	....	2	2	....	....	....	....
Chemistry	....	9	1	5	3	18	10	2	6	....	1
Chemistry, Mineralogy and Geology	....	6	3	....	....	9	6	....	3	....	....
Geology and Mineralogy	....	1	2	1	....	4	3	....	1	....	....
Household Economics	....	23	17	3	1	44	32	6	6	1	....
Physiology and Biochemistry	....	....	3	1	....	4	2	1	1	....	1
Commerce and Finance	....	26	17	13	2	58	36	9	13	1	4
Exchange Students	....	2	2	....	....	4	4	....	....	....	....
Registered twice	2	1	....	....	1	4	4	....	....	....	....
Totals	2	391	265	109	140	907	661	143	103	16	23

Third Year

Course	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	TOTALS	Passed	Conditioned	Failed	Aegrotat	Debarred
Pass	....	132	78	51	54	315	260	44	11	4	....
Supplementals	....	54	37	13	15	119	96	20	3	....	....
General	....	14	16	....	2	32	30	....	2	....	....
Classics	....	4	2	3	1	10	9	....	1	1	....
English Language and Literature	....	9	11	1	1	22	19	1	2	....	....
Greek and Hebrew	....	....	1	....	....	1	1	....	....	....	....
Latin (French or Greek Option), Div. I	....	1	1	....	5	7	7	....	....	....	....
Modern Languages	....	11	15	3	3	32	31	1	....	....	....
Oriental Languages	....	....	2	....	....	2	1	1	....	....	....
Fine Art	....	3	2	1	....	6	5	1	....	1	....
Law	....	12	5	6	1	24	23	1	....	....	....
Modern History	...	9	5	6	....	20	19	1	....	....	....
Philosophy	....	2	1	....	1	4	4	....	....	....	....
Philosophy (English or History Option)	....	....	1	4	1	6	5	1	....	....	....
Political Science and Economics	....	8	7	10	1	26	23	....	3	....	....
Psychology	....	10	2	....	....	12	12	....	....	....	....
Sociology	....	5	6	2	....	13	12	1	....	....	....
Mathematics and Physics, Div. I	....	....	3	1	....	4	4	....	....	....	....
Mathematics and Physics, Div. II.	....	2	1	1	....	4	4	....	....	....	....
Mathematics and Physics, Div. III	....	1	....	....	....	1	1	....	....	....	....
Mathematics and Physics, Div. IV & V	....	3	4	1	....	8	8	....	....	....	....
Physics and Chemistry	....	1	2	....	....	3	3	....	....	....	....
Biological and Medical Sciences	....	5	4	2	....	11	9	....	2	....	....
Biology	....	1	2	....	....	3	3	....	....	....	....
Biology and Physics	....	1	....	....	....	1	1	....	....	....	....
Chemistry	....	3	5	....	1	9	4	2	3	....	....
Chemistry, Mineralogy and Geol., Div. I	....	1	3	....	....	4	2	....	2	....	....
Chemistry, Mineralogy and Geol., Div. II	....	1	2	....	....	3	3	....	....	....	....
Geology and Mineralogy	....	2	2	....	....	4	4	....	....	....	1
Household Economics	....	12	13	1	....	26	21	2	3	....	....
Physiology and Biochemistry	....	1	1	....	....	2	1	....	1	....	....
Commerce and Finance	....	20	11	6	1	38	25	8	5	....	1
Occasional Students	6	1	....	....	....	7	7	....	....	....	....
Registered twice	....	....	1	....	....	1	1	....	....	....	....
Totals	6	329	244	112	87	778	656	84	38	6	...

Fourth Year

Course	University of Toronto	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	TOTALS	Passed	Conditioned	Failed	Aegrotat	Degree without Honours
Supplementals	....	..	1	....	....	1	1	....	....	....	...
General	....	6	19	5	3	33	32	....	1	1	
Classics	....	5	1	....	....	6	6	....	....	....	3
Latin (French or Greek Option), Div. I	....	1	3	1	2	7	7	....	....	....	...
Modern Languages	....	15	15	8	4	42	42	....	....	1	....
Oriental Languages	....	2	....	....	....	2	2	....	....	....	....
English and History	....	6	13	2	4	25	25	....	....	....	...
Law	....	22	2	4	....	28	27	....	1	....	1
Modern History	....	3	2	4	...	9	9	....	....	....	....
Philosophy	....	1	5	1	7	14	14	....	....	....	...
Philosophy (English or History Option)	....	3	5	4	6	18	18	....	....	...	..
Political Science and Economics	....	7	7	10	1	25	25	....	....	1	
Psychology	....	4	4	1	....	9	9	....	....	....	...
Sociology	....	5	8	....	....	13	13	....	....	....	...
Mathematics and Physics, Div. I	....	....	2	....	....	2	2	....	....	....	....
Mathematics and Physics, Div. II	....	5	1	1	1	8	8	....	....	....	....
Mathematics and Physics, Div. III	....	1	....	....	...	1	1	....	....	....	....
Mathematics and Physics, Div. IV	....	5	1	1	....	7	7	....	....	....	....
Physics and Chemistry	....	3	....	....	...	3	3	....	....	....	....
Physics and Geology	....	1	....	....	....	1	1	....	....	....	....
Biological and Medical Sciences	....	4	6	...	1	11	11	....	....	....	....
Biology	....	2	1	2	....	5	5	....	....	....	....
Chemistry	....	4	1	2	....	7	6	1	....	....	1
Chemistry, Mineralogy, Geology, Div. II	....	2	2	1	....	5	5	....	....	....	....
Geology and Mineralogy	....	2	2	....	....	4	4	....	....	....	....
Household Economics	....	15	10	2	....	27	27	....	....	1	....
Physics	...	2	1	....	1	4	4	....	....	1	..
Physiology and Biochemistry	....	3	1	....	..	4	4	....	....	...	1
Commerce and Finance	....	22	16	7	3	48	47	1	....	....	
Occasional Students	....	1	1	....	....	2	1	1	....	....	
Totals	....	152	130	56	33	371	366	3	2	5	6

Pass Course for Teachers

	Passed	Conditioned	Total
August Examination	299	62	361
May Examination	458	109	567
	757	171	928

Faculty of Medicine

	Passed	Conditioned	Failed
First Year	82	9	45
Second Year	58	21	25
Third Year	73	26	19
Fourth Year	105	29	4
Fifth Year	112	18	2
Sixth Year	125	9	4
Candidates for Degree of B.Sc. (Med.)	3	....	....
Candidates for Diploma in Public Health	16	..	1
Candidates for Diploma in Radiology	1	....	....
Totals	575	112	100

Faculty of Applied Science and Engineering

	Passed with Honours	Passed	Conditioned	Failed
First Year—				
Civil Engineering	2	5	9	3
Mining Engineering	4	11	7	11
Mechanical Engineering	8	25	21	22
Architecture	2	3	5	....
Engineering Physics	9	6	3	3
Chemical Engineering	5	14	25	31
Electrical Engineering	3	11	9	13
Metallurgical Engineering	1	9	11	1
Mining Geology	....	3	1	3
Second Year—				
Civil Engineering	5	9	11	1
Mining Engineering	2	14	11	4
Mechanical Engineering	7	10	20	7
Architecture	1	1	....	1
Engineering Physics	6	4	....	2
Chemical Engineering	13	11	12	12
Electrical Engineering	6	12	7	4
Metallurgical Engineering	6	6	2	3
Mining Geology	1	4	3	1
Third Year—				
Civil Engineering	1	10	1	1
Mining Engineering	8	22	10	1
Mechanical Engineering	4	14	9	2
Architecture	1	2	....	....
Engineering Physics	3	3	3	....
Chemical Engineering	6	19	13	3
Electrical Engineering	3	17	8	5
Metallurgical Engineering	7	13	9	3
Mining Geology	....	2	....	....
Fourth Year—				
Civil Engineering	....	9	8	....
Mining Engineering	8	15	2	3
Mechanical Engineering	3	9	2	3
Architecture	1	....	....	....
Engineering Physics	2	1	2	....
Chemical Engineering	14	35	2	1
Electrical Engineering	8	11	3	....
Metallurgical Engineering	3	7	4	....
Mining Geology	....	2	....	....
Fifth Year—				
Architecture	....	6	....	....
Totals	153	355	233	144

Faculty of Household Science

	Passed	Conditioned	Failed
First Year	3	3	3
Second Year	2	1	1
Third Year	11	6	4
Fourth Year	2	1	....
Occasional Students	2	....	....
Totals	20	11	8

Ontario College of Education

	Passed	Failed
*High School Assistants' Course	342	....
Specialists' Courses	137	....
First Class Public School Course	41	....
Elementary Art Course	26	....
Elementary Commercial Course (passed in part)	22	....
Elementary Home Economics	18	....
Elementary Music Course	37	....
Elementary Physical Education Course	70	....
Elementary Shop Work	20	....
Intermediate Art Course	11	....
Intermediate Home Economics	25	....
Intermediate Music Course	37	....
Librarians' Course		
Candidates for Degree of B.L.S.	40	....
Candidates for Diploma	6	....
Bachelor of Pedagogy Course—		
Candidates for Degree of B.Paed.	31	....
Passed in part	80	....
Number who failed in whole or part	....	136
Totals	943	136

*Many of these are included among those who passed or failed in the other courses in this list.

Faculty of Forestry

	Passed	Conditioned	Deferred	Failed
First Year	11	1	....	2
Second Year	....	1	....	3
Third Year	8	....	....	1
Fourth Year	4	2	....	....
Totals	23	4	....	6

Faculty of Music

	Passed	Conditioned	Failed
First Year	7	....	3
Second Year	14	7	4
Third Year	7	11	5
Totals	28	18	12

Faculty of Dentistry

	Passed	Conditioned	Failed
First Year	30	20	....
Second Year	32	14	1
Third Year	30	19	....
Fourth Year	33	4	....
Fifth Year	48	1	....
Dental Nurses	11	3	1
Totals	184	61	2

Departments

The numbers examined in the different departments of the University, including those persons granted standing for military service, were as follows:

Arts:		
Fourth Year	371	
Third Year	778	
Second Year	907	
First Year	1,043	
Pass Course for Teachers	928	
Graduates (Specialist Standing)	57	
		4,084
Medicine		
Sixth Year	138	
Fifth Year	132	
Fourth Year	138	
Third Year	118	
Second Year	104	
First Year	136	
Candidates for Degree of B.Sc. (Med.)	3	
Candidates for Diploma in Public Health	17	
Candidate for Diploma in Radiology	1	
		787
Applied Science and Engineering:		
Fifth Year	6	
Fourth Year	158	
Third Year	203	
Second Year	219	
First Year	299	
		885
Household Science		39
Education		693
Forestry		33
Music		58
Graduate Studies		450
Dentistry		247
Social Science		87
School of Nursing		115
Physical Education for Women		24
University Extension:		
Occupational Therapy		48
Physiotherapy		46
Aerial Navigation		20
Law		10
Pharmacy		265
Agriculture		116
Veterinary Science		67
Local Examinations in Music		13,608

(i) Admission to Degrees:

	Men	Women	Total
LL.D. (Honorary)	7	2	9
D.Sc. (Honorary)	2	....	2
D.Eng. (Honorary)	1	...	1
Mus.Doc. (Honorary)	1	....	1
Ph.D.	28	4	32
M.A.	79	30	109
M.Com.	1	....	1
M.S.	2	1	3
M.A.Sc.	13	....	13
Mech.E.	2	....	2
D.Paed.	3	....	3
Mus.Doc.	1	....	1
M.S.A.	5	....	5
B.A.	365	313	678
B.Com.	46	1	47
M.D.	126	11	137
B.Sc. (Med.)	3	....	3
B.A.Sc.	153	....	153
B.Arch.	8	....	8
B.H.Sc.	....	9	9
B.Paed.	28	3	31
B.L.S.	2	38	40
B.Sc.F.	4	....	4
Mus.Bac.	3	4	7
D.D.S.	19	1	20
B.Sc. (Dent.)	1	....	1
LL.B.	2	....	2
B.S.A.	109	1	110
B.V.Sc.	64	1	65
Phm.B.	85	7	92
Totals	1,163	426	1,589

(j) Admission to Diplomas and Certificates

	Men	Women	Total
Dental Nursing	....	12	12
Librarianship	....	6	6
Occupational Therapy	....	17	17
Physiotherapy	....	17	17
Psychiatry	4	2	6
Public Health	21	1	22
Public Health Nursing	....	76	76
Radiology	1	....	1
Social Science	4	24	28
Totals	30	155	185

(k) Geographical Distribution of Students:

FACULTY OF ARTS

	University of Toronto	University College	Victoria College	Trinity College	St. Michael's College	Duplicates	Totals
Ontario (1) Province	499	464	340	132	91	....	1,526
(2) Toronto	566	609	435	238	130	4	2,024
Nova Scotia	5	2	2	....	....	....	9
New Brunswick	2	2	1	2	....	....	7
Prince Edward Island	....	....	....	....	....	....	....
Quebec	7	2	3	....	1	....	13
Manitoba	6	3	2	1	...	....	12
Saskatchewan	3	12	4	2	1	....	22
Alberta	4	10	2	2	6	....	24
British Columbia	4	6	2	3	2	....	17
United States	1	9	5	4	99	....	118
Elsewhere	3	9	13	3	3	....	31
Totals	1,100	1,128	859	387	333	4	3,803

THE UNIVERSITY

	Faculty of Arts	Faculty of Medicine	Faculty of Applied Science and Engineering	Faculty of Household Science	Ontario College of Education	Faculty of Forestry	Faculty of Music	School of Graduate Studies	Faculty of Dentistry	Department of Social Science	School of Nursing	Physical Education for Women	Occupational Therapy	Physiotherapy	Aerial Navigation	Registered Twice	TOTALS
Ontario:																....	
(1) Province	1,526	297	347	24	522	12	21	149	92	20	273	5	29	12	12	18	3,323
(2) Toronto	2,024	440	538	12	242	17	23	243	88	38	116	18	12	16	5	33	3,799
Nova Scotia	9	....	1	....	18	....	1	23	....	4	9	....	....	....	1	1	65
New Brunswick	7	8	....	....	7	....	....	12	1	1	6	....	....	....	....	....	42
Prince Ed. Island	....	3	....	....	1	....	....	....	....	1	....	....	....	....	....	....	45
Quebec	13	9	3	1	4	2	3	7	....	2	8	....	2	1	1	1	55
Manitoba	12	1	5	....	7	....	1	24	12	10	3	....	1	3	....	....	79
Saskatchewan	22	32	10	4	23	1	1	24	27	3	4	1	....	9	....	....	160
Alberta	24	10	8	....	2	....	....	17	5	4	10	....	....	3	1	....	84
British Columbia	17	23	3	2	12	....	....	15	3	1	1	....	2	....	....	....	79
United States	118	4	5	....	1	....	5	36	5	....	1	....	....	....	....	....	175
Elsewhere	31	8	4	1	5	1	....	15	18	4	8	....	1	....	....	2	94
Totals	3,803	835	924	44	844	33	55	565	251	88	439	24	47	44	20	56	7,960

THE PROVINCE OF ONTARIO

	Faculty of Arts	Faculty of Medicine	Faculty of Applied Science and Engineering	Faculty of Household Science	Ontario College of Education	Faculty of Forestry	Faculty of Music	School of Graduate Studies	Faculty of Dentistry	Department of Social Science	School of Nursing	Physical Education for Women	Occupational Therapy	Physiotherapy	Aerial Navigation	Registered Twice	TOTALS
Algoma	20	8	5	....	5	....	....	....	2	....	5	....	....	2	....	1	46
Brant	33	11	9	....	10	1	2	3	....	....	4	1	1	1	....	1	75
Bruce	25	3	2	....	12	....	....	1	2	2	6	....	....	....	....	....	53
Carleton	80	16	11	1	40	....	1	14	7	1	26	2	....	1	....	3	197
Cochrane	21	4	9	....	10	....	....	....	2	....	....	1	2	1	....	1	49
Dufferin	17	2	2	....	2	....	2	1	....	....	2	....	....	....	....	....	28
Dundas	2	....	5	....	4	....	....	....	....	....	1	....	....	....	....	....	12
Durham	25	2	1	....	3	....	....	2	1	....	3	....	....	....	1	....	38
Elgin	10	2	7	....	8	....	....	....	1	....	1	....	....	....	....	....	29
Essex	57	9	13	....	26	....	1	6	4	....	9	....	....	....	....	....	125
Frontenac	4	....	1	3	14	....	....	2	1	....	7	....	1	1	....	....	34
Glengarry	1	....	1	....	3	....	....	....	....	2	1	....	....	....	....	....	8
Grenville	9	2	....	....	4	....	....	....	....	....	....	....	....	....	....	....	15
Grey	42	4	10	1	11	1	....	2	3	1	2	....	....	....	1	....	78
Haldimand	10	3	3	1	5	....	....	2	....	....	....	....	1	1	....	....	26
Haliburton	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	2
Halton	36	5	10	....	11	....	....	1	2	1	9	....	2	....	2	....	79
Hastings	12	3	3	....	7	1	....	....	3	....	5	....	....	....	1	....	35
Huron	34	3	1	....	13	1	....	2	....	....	3	....	....	....	1	....	58
Kenora	....	2	1	....	2	....	....	1	2	....	3	....	....	....	....	....	11
Kent	13	5	11	....	11	....	1	3	2	1	2	....	....	....	....	1	48
Lambton	32	7	7	1	11	1	....	2	4	....	3	....	....	....	....	....	68
Lanark	13	3	3	....	4	....	....	2	2	1	1	....	....	....	....	....	29
Leeds	13	1	1	....	5	....	....	2	3	....	5	....	....	....	....	....	30
Lennox and Addington	4	....	....	....	2	....	....	....	....	....	1	....	....	....	....	....	7
Lincoln	48	10	24	3	5	1	....	4	2	....	10	....	2	1	....	....	110
Manitoulin	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Middlesex	25	2	7	2	41	1	1	10	1	2	10	....	1	....	1	....	104
Muskoka	18	3	3	1	1	....	....	2	....	....	3	....	....	....	....	....	31
Nipissing	26	16	8	....	16	....	1	1	5	....	4	....	....	....	....	....	77
Norfolk	8	....	2	....	3	....	....	2	4	....	2	....	....	1	....	....	22
Northumberland	17	4	4	....	5	....	1	....	2	....	6	....	....	....	....	....	39
Ontario	47	8	7	....	15	....	1	3	4	....	12	....	....	....	....	1	96
Oxford	25	10	8	....	3	....	1	2	1	1	2	....	1	1	....	1	54
Parry Sound	21	1	2	....	3	....	....	1	1	....	4	....	1	....	....	....	34
Peel	63	5	15	1	4	....	1	3	1	....	10	....	....	....	1	....	104
Perth	41	9	5	1	14	....	....	2	1	....	2	....	1	....	....	1	75
Peterborough	34	6	5	....	6	....	1	2	1	1	9	....	....	1	....	....	66
Prescott	....	1	....	....	4	....	....	1	....	....	1	....	....	....	....	....	7
Prince Edward	7	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	10
Rainy River	6	5	1	....	1	....	....	1	....	....	2	....	....	....	....	....	16
Renfrew	16	1	3	....	8	1	....	2	....	....	2	....	....	....	....	....	33
Russell	1	....	....	....	1	....	....	1	....	....	....	....	1	....	....	....	4
Simcoe	73	11	13	1	10	....	1	7	6	1	16	....	3	....	1	1	142
Stormont	7	1	1	....	3	....	....	....	....	....	2	....	....	....	....	....	14
Sudbury	15	....	3	....	1	....	....	....	....	....	....	....	....	....	....	....	19
Thunder Bay	28	5	8	....	9	....	1	2	3	....	4	....	....	....	....	....	60
Timiskaming	17	6	4	1	4	1	....	2	....	....	5	....	....	....	....	....	40
Victoria	32	3	2	....	6	....	1	....	2	....	1	....	....	....	....	....	47
Waterloo	46	13	11	3	15	....	....	5	4	1	9	....	....	....	....	....	107
Welland	36	13	17	....	17	....	1	7	4	....	5	....	2	....	1	1	102
Wellington	50	15	11	1	11	....	1	12	6	2	10	....	....	1	....	1	119
Wentworth	76	25	27	2	68	....	2	19	....	2	21	....	3	....	....	1	244
York	228	28	38	1	24	3	....	12	3	1	22	1	7	....	2	4	366
Toronto	2,024	440	538	12	242	17	23	243	88	38	116	18	12	16	5	33	3,799
Totals	3,550	737	885	36	764	29	44	392	180	58	389	23	41	28	17	51	7,122

UNIVERSITY OF TORONTO

SUPERINTENDENT'S OFFICE

SUPERINTENDENT'S REPORT

1938-39

NEW BUILDINGS

There has been no new construction at the University proper during the year. Two small items at the Connaught Laboratories Farm involved an expenditure of approximately $4,000.00.

During the year the property at No. 119 St. George Street was acquired for the use of the Department of Military Studies and the Canadian Officers' Training Corps.

BUILDINGS (MAINTENANCE)

The expenditure for Repairs and Renewals on University buildings and the Royal Ontario Museum amounted to $85,347.32, approximately one-half of one per cent. of the value of the buildings. As previously reported, this amount is spent largely in maintaining the building fabric and mechanical services, and does not permit such items as lighting and decoration to be kept at desired standards.

The regular practice of testing all fire hose yearly has been followed and the necessary replacements made. Chemical extinguishers have all been inspected and special extinguishers are provided for unusual hazards. I wish to acknowledge the co-operation of the Toronto Fire Department in dealing with our problems.

In addition to the 59 buildings directly supervised by my office, heat and electricity are supplied to Victoria University, Wycliffe College and Knox College, and a small amount of power to Trinity College.

The expenditure for fuel and purchased heat was approximately $104,000.00. The consumption of electricity continues to increase. Due to the lack of funds and the inadequacy of our generating and distribution systems, this growth is retarded as much as possible and, in consequence, our illumination is in many cases below generally accepted standards.

EMPLOYEES, WORKSHOPS AND STORES

The average number of employees was 285, tradesmen accounting for 78 of this number. The salary and wage item amounted to approximately $329,000.00. The merchandise distributed through Superintendent's Stores amounted to approximately $97,000.00. These figures include services rendered to Connaught Laboratories, Hart House, the Athletic Association, etc., and the Royal Ontario Museum and the colleges.

PURCHASING

During the year, 9,362 departmental orders and 6,569 Superintendent's Stores and work orders, a total of 15,931, were sent out, and in consequence 24,214 accounts were passed for payment. In connection with University purchases my office cleared 1,663 customs entries. In addition, 6,158 accounts for work done for separate financial entities were sent out for payment. Accounts are passed promptly for payment, so that all possible discounts are obtained. Every effort is made to obtain the benefits to which the University is properly entitled under the Customs, Sales and Excise Acts.

POST OFFICE

During the year the turnover in the branch Post Office in the University was approximately, $37,500.00, of which the sale of postage stamps amounted to $22,700.00. The University derived a revenue of $1,021.30 from this office.

POLICE AND WATCHMEN

The Police Force has been successful in handling the problems created by the public and its relationship with the student body has been cordial and effective. The watchmen's service is carefully supervised and reports checked daily.

I wish to acknowledge our debt to the City Police for their continued wholehearted co-operation.

CENTRAL PLANT

The present plant, built in 1911, still remains inadequate and we see no real solution until it is possible to embark on a major expenditure for a new plant. Some relief on our electrical distribution and an increase in voltage was obtained by the installation during the year of three transformer stations. As well as improving the service, these stations permitted us to distribute slightly over 8 percent more electricity at less than 1 percent additional cost.

The amount of radiation heated from the Central Plant, exclusive of high pressure service, was 351,287 square feet, as against 351,359 square feet for the previous year. The total cost of operation was $145,016.10, as against $144,385.35 for the previous year. The total unit cost for heat and light was 41.2c per square foot of radiation, as against 41c for the previous year. The amount of 41.2c was made up of 24.1c for heat and 17.1c for light and power. The average temperature, October to May, inclusive, was 3.1 degrees above the average, the same as for the previous year.

Comparative tables, showing the operation of the Central Plant and the distribution of charges for 1937-38 and 1938-39 are attached.

A. D. LePan,
Superintendent.

October 27th, 1939.

UNIVERSITY OF TORONTO
SUPERINTENDENT'S OFFICE

Power House

COAL

	1937-38	1938-39
Maximum daily consumption	110 tons	115 tons
Maximum weekly consumption	651 tons	667 tons
Average daily consumption—		
September	26 tons	17 tons
October	43 tons	39 tons
November	59 tons	55 tons
December	73 tons	65 tons
January	84 tons	78 tons
February	81 tons	82 tons
March	69 tons	74 tons
April	50 tons	57 tons
May	29 tons	25 tons
June	10 tons	10 tons
Consumption—Central Plant	14,221 tons	13,498 tons
Auxiliary Plant, Museum Area	1,127 tons	1,386 tons
Total Consumption	15,348 tons	14,884 tons
Total cost of operation	$144,385.35	$145,016.10
Load in square feet of radiation	351,359	351,287
Light and Power charges	$ 62,038.46	$ 60,384.42
Cost of Heat	$ 82,346.89	$ 84,621.68
Cost of heat per square foot of radiation	.23.4	.24.1

NOTE: In this distribution of cost, no allowance is made for high pressure steam supplied.

Figures given in connection with coal consumption refer to both the Main Plant and the Auxiliary Plant.

TEMPERATURES—

	1937-38	1938-39
October	47.4 — 0.8 above average	52.1 — 5.5 above average
November	38.6 — 2.6 above average	41.2 — 5.2 above average
December	27.4 — 1.2 above average	30.9 — 4.7 above average
January	22.3 — .5 above average	23.7 — 1.9 above average
February	27.2 — 5.0 above average	24.8 — 2.6 above average
March	35.8 — 7.1 above average	28.7 — Exactly average
April	46.2 — 5.0 above average	40.6 — .6 below average
May	55.2 — 2.8 above average	57.9 — 5.5 above average
Yearly Average	37.5 or 3.1 above average	37.5 or 3.1 above average

UNIVERSITY OF TORONTO
SUPERINTENDENT'S OFFICE

Comparative Statement of Distribution of Cost of Operating Power House

Building	1937-38		1938-39		1937-38		1938-39	
	Sq. ft. Radiation	Percentage Charge	Sq. ft. Radiation	Percentage Charge	Light	Heat	Light	Heat
University College	14,958	5.450	15,072	5.113	$ 1,141 58	$ 4,487 91	$ 1,371 58	$ 4,326 71
Psychology					94 82		80 35	
Hart House	29,430	9.368	29,340	9.190	10,632 68	7,714 26	11,414 30	7,776 73
Memorial Tower	462	.132	462	.132		108 70		111 70
Library	10,931	2.685	10,931	2.732	1,274 60	2,211 01	1,212 84	2,311 86
Medical }	11,599 }		11,599 }		1,595 60	2,838 80	1,514 52	2,881 04
Anatomy }	8,205 }	5.886	8,205 }	5.813	365 40	2,008 14	305 28	2,038 02
Biological	8,454	2.202	8,454	2.180	910 24	1,813 28	1,000 91	1,844 75
Engineering	9,608	2.965	9,608	2.923	960 00	2,441 58	850 86	2,473 49
Observatory	748	.177	748	.164	148 96	145 75	125 66	138 78
Mining	15,180	4.701	15,180	4.590	2,538 60	3,871 13	2,841 48	3,884 14
Mill	5,704	1.558	5,704	1.594	270 00	1,282 96	428 40	1,348 87
Convocation }	6,202 }		6,202 }			1,395 36		1,419 38
Simcoe Hall }	6,440 }	3.454	6,440 }	3.419	1,437 34	1,448 90	1,348 90	1,473 84
Botany Building	11,284	2.955	11,284	2.997	2,348 80	2,433 35	1,669 14	2,536 11
Men's Residences	9,253	3.017	9,253	2.892	858 80	2,484 40	923 22	2,447 26
Whitney Hall }	9,230 }		9,230 }		2,768 00	2,291 44	2,114 28	2,357 85
U. C. Women's Union }	3,328 }	3.786	3,328 }	3.791	175 40	826 21	154 62	850 16
Household Science	8,130	2.485	8,130	2.554	607 34	2,046 32	679 81	2,161 24
Electrical }	9,527 }	2.450	9,527 }		446 50	2,017 50	450 00	2,413 35
Thermodynamics }	4,991 }	1.769	4,991 }	4.346	362 00	1,456 72	230 76	1,264 31
Elect. Engineering Department					175 44		178 24	
Hygiene	16,011	4.586	16,011	4.544	10,512 00	3,776 43	9,405 00	3,845 21
No. 45 St. George					44 96		30 42	
Military Studies					151 82		157 91	
U. C. Men's Residence					219 20		168 48	
No. 43 St. George					18 50		12 19	
Baldwin House					177 96		181 28	
Economics					6 00		5 40	
Ground					300 42		362 30	
Chemical }	6,196 }		6,196 }		1,264 20	1,313 82	1,633 68	1,340 91
McLennan Lab. }	15,748 }		15,748 }		2,007 88	3,339 26	2,281 59	3,408 04
Forestry }	3,804 }		3,804 }		76 80	806 62	43 92	823 20
Stores }	628 }		628 }		253 86	133 16	239 87	135 92
Press }	5,123 }	8.111	5,027 }	8.031	857 40	1,086 30	783 36	1,087 90

Building	1937-38 Sq. ft. Radiation	1937-38 Percentage Charge	1938-39 Sq. ft. Radiation	1938-39 Percentage Charge	1937-38 Light	1937-38 Heat	1938-39 Light	1938-39 Heat
Museum	48,760	10.821	48,760	11.555	5,932 40	8,910 76	5,433 48	9,778 03
Arena	3,164	1.204	3,164	1.130	3,736 26	991 46	3,841 29	956 22
Stadium	......	......	......	......	231 74	......	235 71	......
Hart House Dining Hall	......	......	......	......	231 40	......	284 40	......
Wycliffe College	13,122	4.047	13,122	4.145	604 60	3,332 58	606 06	3,507 57
Knox College	16,071	4.512	16,071	4.503	1,926 80	3,715 49	1,875 42	3,810 51
Trinity College	......	......	......	......	10 92	......	12 48	......
Victoria College	8,430	......	8,430	......	438 50	2,031 07	356 00	2,074 77
Vic. Coll. Library	3,854	......	3,854	......	587 94	928 56	505 62	948 52
Burwash Hall	8,659	......	8,659	......	1,219 24	2,086 24	1,087 67	2,131 13
Burwash Din. Hall		......		......	408 98	......	427 00	......
Emmanuel College	6,800	......	6,800	......	286 00	1,638 35	267 84	1,673 53
Emmanuel Col Res	6,695	10.076	6,695	10.016	681 20	1,613 05	605 52	1,647 76
Annesley Hall	4,630	1.603	4,630	1.646	$ 739 38	$ 1,320 02	$ 655 38	$ 1,392 87
	351,359	100.000	351,287	100.000	$ 62,038 46	$ 82,346 89	$ 60,394 42	$ 84,621 68

AUDITOR'S CERTIFICATE

Toronto, November 3rd, 1939.

To the Governors of the University of Toronto:

Gentlemen:

I have verified the attached Balance Sheet of the University dated 30th June, 1939, and Schedules 1 to 10, and report that all the transactions of the year upon the Revenue and Capital Accounts have been duly audited and found correct.

The securities representing your investments are held in safekeeping by your bankers, The Canadian Bank of Commerce, and were produced for my examination on 30th June, 1939, and also at another time during the year and found to be in agreement with the records kept by the Bursar. Your securities consist largely of bonds issued or guaranteed by the Dominion of Canada and by the Province of Ontario and bonds of Ontario municipalities, and also certain corporation and other securities received as bequests. Their approximate market value as at 30th June, 1939, was greater than their book value by $771,693.81.

Bonds of the following municipalities which are included in your investments are in arrears of interest from one to six years or interest payments are being received at reduced rates:

	Par Value	Book Value
Town of Weston: 5% 1936-1953	$51,041.94	$50,543.17
Township of East York: 5% 1944-1946	30,000.00	29,849.81
Township of York: 5% 1935-1936	16,000.00	15,942.20
Township of Scarborough: 5% 1943-1957	73,697.27	74,765.96

I also report that no income was received from certain non-trustee securities which came to you from the Wallberg and Whitney bequests.

Two Hundred and Fifty Thousand Dollars of the Special Government Grant from the Province of Ontario usually received before the 30th June was not paid until 19th September but is included in the revenues and is shown as an account receivable for that amount.

The Bursar's records are well kept and all Endowment and Trust Funds properly accounted for.

Yours faithfully,

G. T. Clarkson,
Auditor.

FINANCIAL STATEMENT

Balance Sheet, 30th June, 1939
Funds and Liabilities.

General Endowment	Schedule	1	$13,394,682 13	
Specific Endowments (Scholarships, Prizes, etc.)	"	2	548,937 73	
Trust Funds	"	3	7,008,436 70	
Pension and Retirement Funds	"	4	1,281,885 90	
Annuity Debentures	"	5	1,056,419 25	
Contingent Funds, Ontario College of Education Surplus, etc	"	6	233,222 81	
Fees paid in advance			821 00	
Royal College of Dental Surgeons			50,000 00	
				$23,574,405 ·52

Assets

Site Lands, Buildings and Contents	Schedule 7		$12,164,324 97	
Unproductive Lands	" 8		58,622 40	
Leased Properties	" 9		720,565 71	
Investments, Cash and Accounts Receivable	" 10		9,595,610 36	
Royal Ontario Museum Investment			248,376 30	
Ontario Government Annuities (16 George V, Cap. 69)			68,424 24	
Ontario Government Annuities (18 George V, Cap. 55)			370,727 54	
Superintendent's Stores	Appendix IV		9,839 49	
Revenue Account:				
Balance at debit 30th June, 1938		$111,701 90		
Deficit for 1938-39 as per Schedule 6a		226,212 61		
			337,914 51	
				$23,574,405 52

NOTE: This statement does not include any assets or liabilities of The Toronto Conservatory of Music.

SCHEDULE 1.

General Endowment.

Additions for 1938-39:			
Annuity debentures:			
Portion of 1938-39 instalments reducing principal:			
Thirtieth instalment, issue of July, 1909	$16,408 43		
Twenty-eighth instalment, issue of January, 1911	3,947 00		
Twenty-eighth instalment, issue of January, 1911	9,109 00		
Twenty-fourth instalment, issue of April, 1915	2,827 21		
Fifteenth instalment, issue of July, 1924	7,462 10		
Tenth instalment, issue of January, 1929	37,531 28		
		$77,285 02	
Convocation Hall Advance:			
Restoration from proceeds of Wild Lands Sales, thirty-second instalment		20 00	
Land and building, No. 119 St. George Street, purchased from Mrs. Barbara Ann Robertson, area 23,760 sq. feet, at net cost (Schedule 7)		30,000 00	
Frontage License, College Street:			
Francis J. Scott, et al		1,000 00	
Library proper:			
Additions for year less depreciation (Schedule 7)		38,620 50	
			$ 146,925 52
CONTRA			
Reduction in valuation hitherto carried for—			
Caradoc Farm (Schedule 9)		1,000 00	
Lutterworth Township Surveying Practice Camp (Schedule 7)		35 00	
			1,035 00
			$ 145,890 52
Return of 30th June, 1938			13,248,791 61
Return of 30th June, 1939			$13,394,682 13

SCHEDULE 2.

Specific Endowments.

(Scholarships, Prizes, etc.)

A. A. A. S. Scholarship (Physics, etc.)	$2,350 00
Aggett, Harvey, Memorial (Applied Science)	1,645 75
Aikins (English Literature)	5,312 32
Alexander Lectureship (English Literature)	14,897 48
All Souls' Historical Essay Prize	3,164 76
Armstrong, George H., (History)	2,363 69
Association of Professional Engineers of Ontario	100 00
B. A. A. S., Medals, etc.	5 73
Bain, H. R., (Matriculation, Applied Science)	400 00
Balfour Lectureship (Surgery)	4,676 04
Balmer, Jean (Science)	1,231 43
Bankers' (Political Science)	1,301 73
Baptie, Margaret W., (Medicine and Science)	4,047 47

Bastedo, Alma Anderson, Memorial Prize (English)	563 65
Bickle, T. H., Bursary	1,003 67
Blake (Matriculation)	31,249 22
Blake (Science and Moderns)	3,750 00
Boiler Inspection and Insurance Company (Applied Science)	150 00
Booth (University Schools)	1,000 51
Boxer, Reg. N., (University Schools, Junior School)	1,002 52
Boxer, Reg. N., (University Schools, Senior School)	1,002 52
Brickner, Rabbi (Social Science)	1,034 11
Brock, Margaret A., (Matriculation, English and History)	1,033 44
Brown, George, Memorial (Medical Science)	11,597 78
Brown, George, (Modern Languages)	1,128 34
Bruce, Robert (Arts and Medicine)	1,346 70
Chappell, Walter F., Prize (Medicine or Surgery)	501 77
Cockburn, G. R. R., (Greek)	1,050 00
Cody, Florence (Matriculation)	2,548 28
Cody, Henry John (Matriculation)	2,549 63
Cody, Maurice, Memorial (Modern History)	3,371 31
Cody, Maurice, Memorial Prize	1,321 08
Cody, Maurice, Memorial (University Schools)	262 65
Cohen, Arthur (English)	2,159 34
Coleman Medal (Geology)	500 00
Copp, John, Memorial Fund (Medicine)	5,359 23
Crawford, Allan Rudyard (University Schools)	525 00
Crawford, Henry Job (University Schools)	1,049 61
Darling & Pearson Prize (Architecture)	100 00
Deborah Assembly No. 5 Bursary,(Order of Rainbow for Girls) (Household Science or Household Economics)	50 00
Delta Phi Epsilon Bursary	100 00
De Lury, Alfred T., (Mathematics)	3,547 48
Dickenson, Marion E., (Household Science)	6,200 91
Dunlap, David, Memorial (Psychology)	1,425 00
Falconer, Sir Robert, Lectureship	16,035 60
Findlay, J. A., (Mechanical Engineering)	2,499 51
Fletcher-Johnson Memorial Prize (Latin)	10 00
Fulton, Alexander T., (Mathematics and Science)	3,351 30
Gibson (Matriculation)	4,010 03
Gibson (Pass Matriculation)	5,257 95
Gibson, Maude Charlton (University College)	1,524 25
Glen Mawr Old Girls' Association (English and History)	2,302 64
Goldsmith, Perry (Oto-Laryngology)	3,064 04
Graduate Fellowships (Sundry)	500 00
Grasett Memorial (Classics)	5,654 88
Hardie, William (Matriculation)	2,300 00
Harris, James (Matriculation, University College)	26,135 78
Hastings (Public Health and Nursing)	10,771 43
Henderson, Joseph, Memorial (Matriculation)	2,224 83
Hendry, William John (Obstetrics)	3,008 50
Hollywood Theatre Prizes (French)	50 00
Hutton, Maurice (Classics)	5,564 54
International Mathematical Congress, 1924 (Medals)	2,998 13
Irwin, Herbert W., Memorial (Modern Languages)	1,028 37
Isserman, Rabbi, Prize (Social Science)	835 33
Jarvis Bursaries	50 00
Jenkins (Engineering)	600 00
Kennedy, George (Philosophy)	4 65
Kennedy, Sarah (Household Economics)	4 65
Khaki University Memorial	3,524 18
Labour Research Institute (Law)	25 00
Laurier, Sir Wilfrid, Memorial (French)	2,222 61
Lawler, Gertrude, Memorial (English and History)	3,237 12
Lawler, Gertrude, Prize (English)	303 97
Leonard, Reuben Wells, Fellowship and Scholarships (University College)	1,650 00
Lilly, Eli (Medicine)	1,344 69
Lister Prize (Surgery)	5,332 58
Lyle Medal (Orientals)	668 52
McCaul Medal (Classics)	533 04
McCharles, AEneas, Prize	21,950 39
McCrae, John (Matriculation)	11,035 63

McCrea, Dent (Law)		100 00	
Macdonald, John (Philosophy)		2,480 00	
Mackenzie, Alexander, Memorial (Political Science)		16,425 00	
Mackenzie, J. J., Fellowship (Pathology)		5,696 01	
McLean, J. S. (Matriculation, University College)		8,150 00	
MacLennan-MacLeod Memorial Prize (Applied Science)		512 50	
MacMurchy, Angus, Medal (Law)		1,054 40	
McPhedran, Alexander, Research Fellowship (Medicine)		30,401 24	
Marfleet, Pearson Kirkman, Lectureship		8,323 29	
Mickle, Charles, Fellowship		28,870 70	
Mickle, Ellen, Fellowship		28,953 95	
Moss (Classics)		2,000 00	
Mulock, Mary (Classics)		2,838 74	
Mulock, William (Classics and Mathematics)		2,000 00	
Mustard, Wilfred P., (Classics)		3,151 38	
Neelands, Florence M., Prize (French)		518 75	
Nesbitt, Wallace, Medals (University Schools)		596 87	
Nipissing Research Fellowship (Mining)		21,462 67	
Ontario Association of Architects		100 00	
Ontario Hockey Association War Memorial (Matriculation)		2,025 00	
Pakenham Memorial Prize		1,010 64	
Pan-Hellenic Association Prizes (University College)		150 00	
Peters, George A., (Surgery)		3,850 74	
Porter, T. M., (University Schools)		6,017 08	
Porter, T. M., (Corrigan gift) (University Schools)		1,000 00	
Prince of Wales (Matriculation)		1,000 00	
Public Speaking Association Bursary		50 00	
Putnam, William Lowell, Prize (Mathematics)		505 31	
Quebec Bonne Entente Prize (French)		1,000 00	
Ramsay, William (Physics)		1,143 00	
Ramsay, William (Political Economy		1,421 68	
Ransom, A. C., (Applied Science)		5,147 99	
Reeve, Anna Howe, Prize (Household Science)		678 59	
Reeve, R. A., Prize (Medicine)		50 00	
Richardson, James H., Research Fellowship (Anatomy)		10,000 00	
Rossin, Julius (Modern Languages)		1,000 00	
Rowell, Langford (Law)		1,012 06	
Rowell, Langford (University Schools)		2,000 00	
Saddington, Ronald S., Medal (Pathology)		3 03	
Sadowski (Sociology and Social Science)		500 00	
St. Margaret's College Alumnae (Social Science)		75 00	
St. Margaret's College Alumnae Prize (Public Speaking)		622 52	
School of Nursing Bursary		613 35	
Seccombe, Wallace, Memorial (Dentistry)		2,017 96	
Squair French Prose Prize		310 16	
Starr Bequest, Medals		7,908 39	
Strang, Hugh Innis, Memorial (Classics)		2,927 37	
Switzer, W. George, Memorial, Award (Dentistry)		52 75	
Tracy (Philosophy)		897 16	
Ubukata (Japanese students)		11,133 42	
University College Alumni Prize (Commerce and Finance)		25 00	
Vander Smissen (German)		2,655 51	
Webster, Albert E., Memorial (Dentistry)		2,087 38	
Wickett, Emerson, Memorial (Applied Science)		625 00	
Wickett, Morley (Matriculation, English and History)		2,244 94	
Willson, Herbert (Biology and Medicine)		100 00	
Wilson, Daniel (Natural Science)		2,000 00	
Wright, Ramsay (Zoology)		17,803 42	
Wrong, George M., (Modern History)		3,764 94	
Young Memorial (Philosophy)		6,278 55	
Ledger Balances on 30th June, 1939			$548,937 73
Return of 30th June, 1938	$537,488 62		
Additions to funds during year (including income from investments)	50,118 80		
Interest credited to endowments	5,999 53		
		$593,606 95	
Expended for scholarships, prizes, etc.		44,669 22	
Return of 30th June, 1939			$548,937 73

SCHEDULE 3

Trust Funds.

American Philosophical Society Grant (Solandt)	12 56
Banting Research Foundation	713,215 22
Banting Research Foundation (Reserve)	16,593 85
Canada Packers Donation (Heparin Research)	272 10
Carnegie Corporation, Educational Research	4,892 61
Carnegie Corporation, Institute of Child Study	5,021 87
Carnegie Corporation, Physiology Research	2 36
Carnegie Corporation, Library-University College	1,019 21
Carson, Minnie, Bequest	2,547 73
Connaught Laboratories Research	200,000 00
Crocker, James W., Memorial (Loan Fund)	5 00
Dental Research	665 44
Dunlap Bequest (Medical Research)	109,189 75
Eaton Endowment (Medicine)	38,470 67
Engineering Society Donation	185 57
Fairclough, William Erving, Memorial	24,408 62
Fasken, David, Trust	5,233 04
Fulford Estate Donation	3,309 38
Geophysics Research	2,267 16
Honor, John, Bequest (Arts)	11,301 49
Horton, John Hughs, Bequest (not allocated)	832 92
Hoskin, John, Bequest (Residences)	14,214 97
Imperial Relations Trusts Travelling Studentship	90 72
Insulin Committee, Surplus	957,365 84
Langton, John, Memorial	30 00
Leonard, Reuben Wells, Bequest	146,089 80
Library Funds:	
Abbott Dental	56 97
King Alfred Millenary	10,009 98
Phillips Stewart	1,552 86
John Squair (French) No. 1	1,000 00
John Squair (French) No. 2	1,000 05
Graduates' Deposits	3,998 51
Massey Foundation	283,517 02
Massey-Treble Bequest, Household Science	30,797 98
Medical Research, Banting	189,951 59
Medical Research, Best	120,995 02
Mendel, Bruno, Fund	3,165 83
Mount Sinai Masonic Lodge Silver Jubilee Loan Fund	2,000 00
Mulock, Sir William, University College Men's Residence Fund	6,666 68
McLennan, Sir John, Bequest (Scientific Research)	2,696 79
Ontario Archaeology—Special Research	755 86
Porter, T. M., Bequest	12,611 17
Reeve, R. A., Bequests (not allocated)	16,981 13
Rockefeller (Medical Endowment)	1,043,912 50
Rockefeller (Hygiene Endowment)	866,368 70
Rockefeller (Institute of Child Study)	6 95
Rockefeller (Psychiatry Research)	3,618 84
Rockefeller (School of Nursing)	2 91
Rutherford, Dr. James P., (Medical Research)	6,228 42
Seldon, Lauretta M., Bequest	55 75
Simpson, Mary A., Bequest	105 36
Smith, George R., (Paedogogy)	250 00
Standard Brands Research (Chemistry)	6 54
Stewart, John A., (Pernicious Anaemia)	2,560 63
University College Men's Residence Fund	5,000 00
Walker, E. C., Bequest (Residences)	64,592 96
Walker, J. Harrington, Bequest (Residences)	35,384 39

Wallberg, E. A., Memorial	1,845,815 93	
Wallberg, E. A., Memorial (Loan Fund)	7,624 48	
Whitney, E. C., Bequest	171,995 32	
Wintercorbyn, Mrs. E. A., Bequest	9,911 70	
Ledger balances on 30th June, 1939		$7,008,436 70
Return of 30th June, 1938	$6,820,960 43	
Additions to funds during year (including income from investments)	701,017 81	
Interest credited to endowments	62,046 23	
	$7,584,024 47	
Expenditures and transfers from funds	575,587 77	
Return of 30th June, 1939		$7,008,436 70

SCHEDULE 4

Pension and Retirement Funds.

1. Pension Fund (Academic) (Commenced 1 July, 1929):		
At credit of account on 30th June, 1938	454,548 59	
Contributions during year	44,274 17	
Interest credited	20,139 46	
	$518,962 22	
Withdrawals	21,840 46	
		$497,121 76
2. Pension Fund (Employees) (Commenced 1 October, 1929)		
At credit of account on 30th June, 1938	$576,276 34	
Contributions during year	72,056 81	
Interest credited	24,166 35	
	$672,499 50	
Withdrawals	18,435 36	
		$654,064 14
3. Estimated accrued liability as per Actuary's report at quinquennial revaluation in 1934		$130,700 00
Return of 30th June, 1939		$1,281,885 90

SCHEDULE 5

Annuity Debentures.

Issue of July, 1909, $500,000., repayable in forty equal annual amounts of $25,260 each,	
Value as on 30th June, 1939, of the ten outstanding instalments	$204,880 33
Issue of January, 1911, under 1 George V, Cap. 80, for construction of Pathological building, $130,000., repayable in forty equal annual amounts of $6,568 each,	
Value as on 30th June, 1939, of the twelve outstanding instalments	61,641 00
Accrued on 30th June, 1939, of twenty-ninth payment and charged to Revenue, 1938-39	3,284 00
Issue of January, 1911, under 1 George V, Cap. 80, as a grant towards construction of Toronto General Hospital, $300,000., repayable in forty equal annual amounts of $15,157 each,	
Value as on 30th June, 1939, of the twelve outstanding instalments	142,247 00
Accrued on 30th June, 1939, of twenty-ninth payment and charged to Revenue, 1938-39	7,578 50
Issue of April, 1915, under R.S.O., 1914, Cap. 279, to provide for the payment of $100,000 to the Hart A. Massey Estate towards the Gymnasium portion of Hart House, $110,000., repayable in forty equal annual amounts of $5,975 each,	
Value as on 30th June, 1939, of the sixteen outstanding instalments	67,123 46
Accrued on 30th June, 1939, of twenty-fifth payment and charged to Revenue, 1938-39	1,244 80

Issue of July, 1924, under R.S.O., 1914, Cap. 279, for construction of Forestry building, $124,622., repayable in twenty equal annual amounts of $10,000 each,	
Value as on 30th June, 1939, of the five outstanding instalments	43,294 80
Issue of January, 1929, under R.S.O., 1927, Cap. 337, for construction of a new building for Pathology and allied departments (Banting Institute) $800,000., repayable in twenty equal annual amounts of $64,193 each,	
Value as on 30th June, 1939, of the ten outstanding instalments	495,703 06
Accrued on 30th June, 1939, of eleventh payment and charged to Revenue, 1938-39	29,421 80
	$1,056,419 25

SCHEDULE 6

Contingent Funds, etc.

Contingent Fund (Investment Reserve):			
Balance brought forward from 1938			$172,161 84
Organ fund:			
Balance on 30th June, 1938		$3,270 94	
Expenditure on upkeep of organ, less receipts		160 54	
			3,110 40
University Press:			
At credit of accounts as per Appendix III			16,437 95
Ontario College of Education:			
At credit of account (Appendix V)			37,385 53
Legislative Grant for Administration Building:			
Balance brought forward from 1938			283 15
David Dunlap Observatory (Construction Account):			
Balance brought forward from 1938			237 35
			$229,616 22
Sundry ledger balances, items in suspense, etc.:			
Residence, Laboratory and Key deposits		$3,896 79	
Workmen's Compensation Board deposit	253 14		
Fire Loss Accounts	37 06		
		290 20	
			3,606 59
			$233,222 81

SCHEDULE 6a

Revenue, 1938-39.

Receipts.

	Estimate	Actual
Legislative Grant, University Act, 1906	$500,000 00	$500,000 00
Legislative Grant, 60 Vict., Cap. 59	7,000 00	7,000 00
Legislative Grant, 13-14 George V.	10,000 00	10,000 00
Fees, University and College, as detailed in Appendix I	795,000 00	840,348 16
Infirmary Receipts, Dentistry	25,000 00	26,817 43
Interest:		
On Dominion and Provincial Government Bonds	160,000 00	112,129 45
On Ontario Government Annuities		24,037 63
On Debentures		8,113 81
On Loans		2,185 54
Rentals:		
University Park ground leases		11,393 00
City of Toronto payment		6,000 00
Business properties		12,824 06
Sundry houses and land earnings		2,744 33
Men's Residences:		
(General, $14,924.70; University College, $2,647.60)	17,000 00	17,572 30
Women's Residences:		
(Whitney Hall, $49,079.08; St. George Street Group, $15,368.95)	68,000 00	64,448 03
University College Women's Union:		
(Membership fees, $2,132; rooms and meals, $4,570.51)		6,702 51

Central Power Plant:			
Wycliffe, Victoria and Knox Colleges	$28,810 31		
Royal Ontario Museum	15,211 51		
Sundry accounts	12,972 33		
		50,000 00	56,994 15
Photographic Service and Casual Revenue		5,000 00	6,566 18
		$1,637,000 00	$1,715,876 58
Special Legislative Grant		900,000 00	900,000 00
Supplementary Grant		571,225 00	200,000 00
		$3,108,225 00	$2,815,876 58

Expenditures

Under appropriations as per Appendix II	$3,043,225 00	$2,972,677 49
Interest written to Scholarship and other funds and bank overdraft	65,000 00	69,411 70
	$3,108,225 00	$3,042,089 19
Receipts as above		2,815,876 58
Excess of expenditures over receipts		$226,212 61

SCHEDULE 7

Site Lands, Buildings and Contents.

Site Lands:		
2,423,843 sq. feet @ Forty cents per foot	$969,537 20	
332,549 sq. feet @ cost price	447,344 23	
18,000 sq. feet @ estimate	40,000 00	
2,774,392 sq. feet		$1,456,881 43
Buildings:		
Anatomical building	$482,388 37	
Baldwin House	12,000 00	
Banting Institute	813,129 93	
Biological building	129,745 30	
Botanical building	516,998 35	
Chemical building	77,469 88	
Convocation Hall	214,866 22	
Dental building	350,000 00	
Economics building	76,350 00	
Electrical building	346,699 89	
Engineering building	50,000 00	
Forestry building	122,359 86	
Geodetic Observatory building	12,000 27	
Hart House (not appraised)	....	
Household Science building	455,000 00	
Hygiene and Public Health building	852,682 40	
Library building	327,425 50	
McLennan Laboratory	363,945 85	
Mechanical building	119,017 21	
Medical building	200,000 00	
Men's Residences	217,670 04	
Military Studies building	8,239 47	
Mining building	384,736 89	
Mill building	229,972 52	
Ontario College of Education	703,390 67	
President's House	38,767 62	
Press building	1 00	
Psychology buildings	22,333 26	
Simcoe Hall	399,055 10	
University College building	450,000 00	
University College Women's Union	70,059 19	
Women's Residences:		
Whitney Hall	487,988 37	
Hutton House	24,723 77	

St. George Street properties:		
Numbers 43	30,054 25	
45	39,079 67	
47	10,172 95	
49	25,007 51	
96	22,692 60	
98	16,708 84	
100	17,776 93	
104	22,498 27	
106	10,034 15	
119	30,000 00	
	$8,783,042 10	
Less balance of purchase money yet to be paid on No. 104 St. George Street	7,750 00	
		$8,775,292 10
Library		706,699 54
Organ		24,000 00
Sundry Departmental Equipment		375,153 99
Furniture and Furnishings, various buildings		43,343 17
Arena		223,070 40
Athletic Field Stadium and equipment		11,817 88
Aura Lee Grounds and equipment (Ontario College of Education)		17,276 27
Gymnasium equipment		7,620 19
Surveying Practice Camp, Lutterworth Township, (land $1,215., buildings, etc., $10,000)		11,215 00
David Dunlap Observatory (land, $41,750., buildings, $163,700., telescope dome, etc., $225,000)		430,450 00
Connaught Laboratories (Farm, buildings and equipment)		81,500 00
Connaught Laboratories (Hygiene building plant)		1 00
Central Power Plant		1 00
Printing Plant		1 00
General Museum Specimens		1 00
Dining Hall equipment		1 00
Total valuation		$12,164,324 97

Return of 30th June, 1938			$12,095,661 43	
Additions thereto as per Schedule 1:				
Land and Building, 119 St. George St.		$30,000 00		
Library proper:				
Value of additions for 1938-39 reported by the Librarian	$60,477 19			
Less depreciation @ 3% on $728,556.23	21,856 69			
		38,620 50		
Payment made on mortgage No. 104 St. George Street		300 00		
			68,920 50	
				$12,164,581 93

Contra.

Women's Residences Furniture written down by application of credit from Sale of Wild Lands set apart for Women's Residences	221 96	
Surveying Practice Camp, Lutterworth Township, written down by amount received for "Easement Rights" from Ontario Hydro-Electric Power Commission	35 00	
		256 96
Return of 30th June, 1939		$12,164,324 97

SCHEDULE 8

Unproductive Lands.

U.C.C. block on King Street	$50,425 40	
Vacant land in Port Hope	8,045 00	
Endowment lands unsold in various townships	152 00	
(No transactions during year)		
Return of 30th June, 1939		$58,622 40

SCHEDULE 9

Leased Properties.

Land leased to City of Toronto	$120,000 00	
Park Lots leased (including Federated Colleges Sites)	402,992 20	
Toronto business properties	183,000 00	
Spadina Avenue houses (Nos. 719-721)	8,023 51	
Caradoc Farm	600 00	
		$714,615 71
Rentals and City of Toronto payment accrued	$7,295 00	
Rentals in advance	1,345 00	
		5,950 00
		$720,565 71
Return of 30th June, 1938	$724,385 71	
Reduction in figure hitherto carried for Caradoc Farm	2,400 00	
	721,985 71	
Decrease in rentals past due	1,420 00	
Return of 30th June, 1939		$720,565 71

SCHEDULE 10

Investments, Cash and Accounts Receivable.

Dominion of Canada Bonds and guaranteed issues		$3,683,701 76	
Interest accrued		8,909 76	
			$3,692,611 52
Province of Ontario Bonds and guaranteed issues		3,031,276 83	
Interest accrued		18,531 13	
			3,049,807 96
Other Government Bonds		483,400 49	
Interest accrued		1,063 48	
			484,463 97
Municipal debentures		580,605 28	
Interest accrued		1,778 28	
			582,383 56
University of Toronto debentures (guaranteed)			495,703 06
Toronto Conservatory of Music debentures			200,279 89
Corporation debentures			35,386 00
Sundry stocks			108,539 62
Mortgage			2,200 00
Investments in trust for Banting Research Foundation		713,564 82	
Interest outstanding on purchases		75 94	713,640 76
Loan to Athletic Association			40,000 00
Accounts Receivable:			
Photographic Service		202 09	
Labour and Material		5,005 60	
Central Power Plant		28,810 31	
Government Grant Special		250,000 00	
		284,018 00	
Less Royal Ontario Museum balances and miscellaneous items at credit	19,231 88		
Less Canadian Bank of Commerce overdraft	74,192 10		
		93,423 98	
			190,594 02
			$9,595,610 36

Transactions 1938-39

Inwards

Dominion and Provincial Government Bonds	5,755 27	
Municipal Debentures	80,854 04	
University of Toronto debentures	37,531 28	
Toronto Conservatory of Music debentures	1,926 79	
Corporation debentures	1,040 00	
Athletic Association and Hart House loans	20,000 00	
Banting Research Foundation Investments	9,536 12	
Withdrawals from Canadian Bank of Commerce	4,746,386 67	
		4,903,030 17

Outwards

Dominion and Provincial Government Bonds	457,438 45	
Municipal debentures	21,783 96	
Toronto Conservatory of Music debentures	308 26	
Corporation debentures	1,075 00	
Mortgage	2,200 00	
Banting Research Foundation Investments	13,120 33	
Deposits in Canadian Bank of Commerce	4,357,548 86	
Increase in accrued revenue	524 13	
Increase in accounts outstanding	218,615 39	
		5,072,614 38
		169,584 21
Return of 30th June, 1938		9,426,026 15
Return of 30th June, 1939		$9,595,610 36

APPENDIX 1

Fees, 1938-39.

Balance brought forward, 1937-38			$1,891 00
Total of fees collected, 1938-39			1,069,002 71
			$1,070,893 71
Distribution thereof:			
Sundry refunds during year			5,613 75
Share of fees paid to the following:			
Hart House			45,557 50
Students' Administrative Council			16,236 00
Athletic Fee			16,835 00
Medical Society			3,100 00
Dental Students' Parliament			1,864 00
Foresters' Club			99 00
Graduate Students' Union			462 00
University College Literary & Athletic Society			2,271 00
University College Women's Undergraduate Association			1,601 00
Medical Women's Undergraduate Association			114 00
Teachers' Course Association			835 00
Royal College of Dental Surgeons			2,290 00
St. Michael's College (Household Science)			285 00
Toronto Conservatory of Music			980 00
Hospitals:			
Toronto General	$10,200 00		
Toronto General (Burnside)	1,104 00		
		$11,304 00	
St. Michael's		1,810 00	
Sick Children's		1,355 00	
Toronto Western		1,115 00	
			15,584 00
Credited to Sundry Accounts:			
Ontario College of Education			69,147 23
University College Women's Union			2,132 00
School of Nursing			17,273 00
Institute of Child Study			4,218 00
Laboratory Deposits			23,227 07
Fees paid in advance for 1939-40			821 00
Balance to Revenue Account (Schedule 6a)			840,348 16
			$1,070,893 71

DETAILS OF FEES RECEIVED

	Arts	Commerce & Finance	Medicine	Applied Science	Dentistry	Educ. & Pedagogy	Forestry	Music	Household Science	Total
General Tuition	$124,812 18	$ 26,038 50	$189,566 08	$191,042 55	$ 52,268 00	$ 31,595 55	$ 4,393 00	$ 1,045 00	$ 5,502 00	$626,262 86
Graduate Courses			475 00		300 00					775 00
University Schools						31,091 18				31,091 18
Library School						4,237 50				4,237 50
Registration			15 00		80 00	425 00		230 00		750 00
Matriculation	415 00	15 00	88 00	130 00	70 00		10 00	5 00	15 00	748 00
Ad Eundem	120 00		185 00	30 00	260 00			80 00	180 00	855 00
Examinations	29,889 50	2,425 00	9,197 00	12,046 00	2,851 00	2,112 00	400 00	650 00	530 00	60,100 50
Degrees & Hon. Cert.	6,797 00	515 50	3,257 00	1,660 00	975 00	805 00	70 00	300 00	120 00	14,499 50
Laboratory Supplies	4,884 00	34 00								4,918 00
Library	17,345 00	1,631 00	5,586 00	6,468 00	1,610 00		238 00		298 00	33,176 00
Physical Education (Diploma)	600 00									600 00
Med. Exam. & Phy. Tr. (Men)	3,754 00	630 00	1,069 00	2,470 00	465 00		85 00			8,473 00
Med. Exam. & Phy. Tr. (Women)	1,112 00	12 00	24 00	20 00	12 00				52 00	1,232 00
Penalties	1,867 50	145 00	1,074 00	827 10	201 00		27 00	3 00	20 00	4,164 60
Laboratory Deposits	9,220 08		3,324 99	6,235 35	3,426 00				1,020 65	23,227 07
Women's Union	2,010 00	21 00		4 00		34 00			34 00	2,103 00
Women's Undergraduate Assn.	1,583 00	18 00	114 00							1,715 00
Hart House	15,115 50	2,449 00	8,825 00	11,166 00	2,737 00	1,973 00	388 00			42,653 50
Students' Adm. Council	7,410 00	648 00	2,106 00	2,506 00	652 00	786 00	90 00		142 00	14,340 00
Athletic Fee	7,331 00	683 00	2,328 00	2,758 00	690 00	1,179 00	93 00		129 00	15,191 00
Literary and Athletic Society	1,886 00	385 00								2,271 00
Medical Society			3,100 00							3,100 00
Dental Students' Parliament					1,864 00					1,864 00
Foresters' Club							99 00			99 00
	$236,151 76	$ 35,650 00	$230,334 07	$237,363 00	$ 68,461 00	$ 74,238 23	$ 5,893 00	$ 2,313 00	$ 8,042 65	$898,446 71

DETAILS OF FEES RECEIVED—Continued

	Post Graduate	University Extension	Social Science	Law	Pharmacy	Veterinary Science	Agriculture	School of Nursing	Institute of Child Study	Total
Tuition	$ 23,751 75		$ 7,078 00		15,000 00			17,233 00	4,218 00	67,280 75
Summer Session:										
Tuition		$ 9,243 00								9,243 00
Specialists		525 00								525 00
Correspondence Courses		3,534 00								3,534 00
Teachers' Course		19,572 00								19,572 00
Occupational Therapy		6,172 00								6,172 00
Physiotherapy		5,776 00								5,776 00
Aerial Navigation		2,679 00								2,679 00
Tutorial Courses		17,668 50								17,668 50
Short Courses:										
Art of the Theatre		140 00								140 00
Real Estate		485 00								485 00
Social Workers		820 00								820 00
Registration	2,515 00									2,515 00
Matriculation		10 00		40 00	670 00					720 00
Ad Eundem		15 00				10 00				25 00
Examinations	3,530 00	4,656 00	630 00	100 00	2,175 00	40 00	1,160 00	165 00		12,456 00
Degrees & Hon. Cert.	2,310 75	370 00		20 00	1,090 00	620 00	1,070 00	40 00		5,520 75
Laboratory Supplies	2 00	220 00			118 00					340 00
Library	3,375 00	1,927 00	441 00					806 00		6,549 00
Med. Exam. & Phy. Tr. (Women)	4 00		4 00					24 00		32 00
Penalties		657 00	54 00	1 00	4 00			15 00		731 00
Women's Union	19 00	4 00	8 00							31 00
Hart House					2,904 00					2,904 00
Students' Am. Council		384 00	248 00		992 00			272 00		1,896 00
Athletic Fee		336 00	180 00		780 00			348 00		1,644 00
Grad. Students' Union	462 00									462 00
Teachers' Course Association		835 00								835 00
	$ 35,969 50	$ 76,028 50	$ 8,643 00	$ 161 00	$ 23,733 00	$ 670 00	$ 2,230 00	$ 18,903 00	$ 4,218 00	$170,556 00

CLASSIFICATION OF SERVICES

	Gross Receipts	Refunds	Other Deductions	Net Amount
Tuition, etc.				
Arts	$ 124,812 18	$ 1,259 00		$ 123,553 18
Commerce and Finance	26,038 50			26,038 50
Medicine	190,041 08	498 50	15,584 00	173,958 58
Applied Science	191,042 55	632 00		190,410 55
Dentistry	52,568 00	292 00	2,280 00	49,986 00
Education	38,370 05	314 00	38,056 05	
Education (University Schools)	31,091 18		31,091 18	
Forestry	4,393 00	1 00		4,392 00
Music	1,045 00		980 00	65 00
Household Science	5,502 00	123 00	285 00	5,094 00
Post Graduate	23,751 75	43 00		23,708 75
University Extension	66,614 50	1,297 50		65,317 00
Social Science	7,078 00	25 00		7,053 00
Pharmacy	15,000 00			15,000 00
School of Nursing	17,273 00		17,273 00	
Institute of Child Study	4,218 00		4,218 00	
Registration	2,840 00	5 00		2,835 00
Matriculation	1,468 00	20 00		1,448 00
Ad Eundem	880 00			880 00
Examinations	70,444 50	533 00		69,911 50
Degrees and Honour Certificates	19,980 25	261 25		19,719 00
Laboratory Supplies	5,258 00	35 00		5,223 00
Library	39,725 00	50 50		39,674 50
Physical Education Diploma	600 00			600 00
Med. Exam. and Phy. Tr. (Men)	8,473 00	54 00		8,419 00
Med. Exam. and Phy. Tr. (Women)	1,264 00	4 00		1,260 00
Penalties	4,895 60	164 00		4,731 60
Women's Union	2,134 00	2 00	2,132 00	
Women's Undergraduate Ass'n. Univ. Coll.	1,601 00		1,601 00	
Women's Undergraduate Ass'n. Medicine	114 00		114 00	
Hart House	45,557 50		45,557 50	
Students' Administrative Council	16,236 00		16,236 00	
Athletic Fee	16,835 00		16,835 00	
Literary and Athletic Society	2,271 00		2,271 00	
Medical Society	3,100 00		3,100 00	
Dental Students' Parliament	1,864 00		1,864 00	
Foresters' Club	99 00		99 00	
Graduate Students' Union	462 00		462 00	
Teachers' Course Association	835 00		835 00	
Laboratory Deposits	23,227 07		23,227 07	
	$1,069,002 71	$ 5,613 75	$ 224,110 80	$ 839,278 16

RECAPITULATION

University Fees proper	$ 937,701 53	$ 4,354 75	$ 224,110 80	$ 709,235 98
University College Fees proper	131,301 18	1,259 00		130,042 18
Balance brought forward, 1937-38	1,891 00			1,891 00
	$1,070,893 71	$ 5,613 75	$ 224,110 80	$ 841,169 16
Less paid in advance for 1939-40				821 00
				$ 840,348 16

APPENDIX II

Revenue Expenditures 1938-39

	Appropriation	Supplementary	Unused	Total
I. Administration:				
1. Salaries	$114,975 00		$ 4,284 46	$110,690 54
2. Pensions and Retiring Allowances	104,125 00		272 74	103,852 26
3. President's Office	850 00	286 77		1,136 77
4. Bursar's Office	5,700 00	4,603 54		10,303 54
5. Registrar's Office	6,900 00		2 14	6,897 86
6. Superintendent's Office	4,700 00		797 21	3,902 79
7. Convocation Hall and Simcoe Hall	12,390 00		705 41	11,684 59
8. President's House	200 00			200 00
	$249,840 00	$ 4,890 31	$ 6,061 96	$248,668 35
II. Library:				
9. Salaries	$ 58,670 00		$ 403 34	$ 58,266 66
10. Maintenance	56,700 00		7 57	56,692 43
11. Building	5,295 00		617 39	4,677 61
	$120,665 00		$ 1,028 30	$119,636 70
III. 12. Royal Ontario Museum	$ 84,613 00	$ 24		$ 84,613 24
IV. Athletics, Physical Training, Military Studies, etc.:				
13. Athletics and Physical Training—Men	$ 16,260 00		$ 50 83	$ 16,209 17
14. Athletics and Physical Training—Women	6,650 00		561 14	6,088 86
15. Health Service—Men	8,250 00		156 16	8,093 84
16. Health Service—Women	4,900 00	27 95		4,927 95
17. Military Studies	3,625 00		5 17	3,619 83
18. Hart House (share of maintenance)	10,200 00	590 62		10,790 62
19. Women's Building (44 Hoskin Avenue)	1,145 00	27 86		1,172 86
20. Military Studies Building	1,350 00		311 27	1,038 73
	$ 52,380 00	$ 646 43	$ 1,084 57	$ 51,941 86
V. 21. Examinations	$ 20,200 00		$ 1,075 10	$ 19,124 90
VI. Faculty of Arts:				
22. Salaries	$786,390 00		$ 1,676 08	$784,713 92
23. Mathematics	600 00		431 37	168 63
24. Applied Mathematics	900 00		59 10	840 90
25. Physics	11,750 00		1,196 38	10,553 62
26. Astronomy	3,100 00		207 49	2,892 51
27. Geology	1,600 00		151 30	1,448 70
28. Mineralogy	3,247 00	6 98		3,253 98
29. Chemistry	18,050 00		4,059 41	13,990 59
30. Biology	6,800 00		122 91	6,677 09
31. Botany	6,700 00	9 22		6,709 22
32. History	1,200 00		118 94	1,081 06
33. Anthropology (including Sociology)	75 00		42 66	32 34
34. Archaeology	400 00	5 36		405 36
35. Fine Art	775 00	136 15		911 15
36. Geography	950 00		58 73	891 27
37. Political Economy	2,450 00	133 23		2,583 23
38. Law	200 00		6 96	193 04
39. Philosophy	150 00		31 08	118 92
40. Psychology	4,675 00		29 23	4,645 77
41. Italian and Spanish	225 00	4 28		229 28
42. University College Departments	600 00		142 21	457 79
43. University College General Expenses	1,600 00		351 11	1,248 89
44. University College Building	12,250 00	232 34		12,482 34
45. McLennan Laboratory (Physics)	6,525 00		593 99	5,931 01
46. Chemical Building	4,450 00		298 29	4,151 71

Revenue Expenditures 1938-39—Continued

	Appropriation	Supplementary	Unused	Total
47. Biological Building	6,050 00		438 53	5,611 47
48. Botany Building	6,425 00		728 37	5,696 63
49. Baldwin House (History)	3,085 00		212 32	2,872 68
50. No. 43 St. George St.	1,130 00		247 42	882 58
51. No. 45 St. George St. (Law)	1,585 00		432 40	1,152 60
52. No. 47 St. George St. (Applied Mathematics)	1,195 00		262 24	932 76
53. Economics Building	12,450 00		671 45	11,778 55
54. Psychology Buildings	10,090 00		2,573 24	7,516 76
55. David Dunlap Observatory	4,000 00		333 45	3,666 55
	$921,672 00	$ 527 56	$ 15,476 66	$906,722 90

	Appropriation	Supplementary	Unused	Eaton, Rockefeller and Wallberg Funds	Total
VII. Faculty of Medicine:					
56. Salaries	$280,148 00		$ 6,714 21	$ 80,362 18	$353,795 97
56a. Post Graduate Courses		$469 20			469 20
57. Anatomy	5,445 00		223 16		5,221 84
58. Pathology and Bacteriology	7,725 00		330 55		7,394 45
59. Pathological Chemistry	2,250 00		23 27		2,226 73
60. Pharmacy and Pharmacology	2,400 00		240 68		2,159 32
61. Biochemistry (including Zymology)	4,600 00		81		4,599 19
62. Physiology	3,650 00		105 81		3,544 19
63. Hygiene and Preventive Medicine	3,352 00	245 99			3,597 99
64. Medicine				3,234 29	3,234 29
65. Paediatrics				1,456 26	1,456 26
66. Surgery	1,450 00		46 32		1,403 68
67. Obstetrics and Gynaecology	550 00		362 80		187 20
68. Ophthalmology	500 00		500 00		
69. Oto-Laryngology	500 00		206 03		293 97
70. Therapeutics	200 00		2 34		197 66
71. Psychiatry	50 00		50 00		
72. Medical Jurisprudence					
73. Radiology	1,000 00		50 49		949 51
74. Art Service	4,200 00		124 32		4,075 68
75. General Expenses	4,200 00		90 85		4,109 15
76. Medical Building	10,950 00		3,519 85		7,430 15
77. Banting Institute	23,650 00	66 18			23,716 18
78. Anatomical Building	5,335 00		439 06		4,895 94
79. Hygiene Building	10,450 00		844 00		9,606 00
	$372,605 00	$781 37	$ 13,874 55	$ 85,052 73	$444,564 55
VIII. School of Hygiene:					
80. Salaries				$ 33,474 00	$ 33,474 00
81. Maintenance				1,065 40	1,065 40
				$ 34,539 40	$ 34,539 40
IX. Faculty of Applied Science:					
82. Salaries	$297,260 00		$ 3,456 12		$293,803 88
83 Electrical Engineering	3,300 00		230 11		3,069 89
84. Mechanical Engineering	3,350 00		2,106 73		1,243 27
85. Civil Engineering: Municipal and Structural	3,100 00		47 35		3,052 65
86. Civil Engineering: Surveying and Geodesy	4,505 00		95 43		4,409 57
87. Mining Engineering	4,350 00		222 29		4,127 71

Revenue Expenditures 1938-39—Continued

	Appropriation	Supplementary	Unused	Eaton, Rockefeller and Wallberg Funds	Total
88. Metallurgical Engineering	1,540 00		110 73		1,429 27
89. Chemical Engineering and Applied Chemistry	8,000 00		98 62		7,901 38
90. School of Architecture	905 00		163 28		741 72
91. Engineering Drawing	500 00	94 53			594 53
92. Applied Physics	1,975 00		38 08		1,936 92
93. General Expenses	2,610 00	40 34			2,650 34
94. Photographic Service	8,550 00		535 88		8,014 12
95. Mining Building (including Mill Building)	10,900 00		542 85		10,357 15
96. Engineering Building	6,250 00		879 48		5,370 52
97. Electrical Building (including Mechanical Building and Wind Tunnel)	7,750 00		318 55		7,431 45
98. Geodetic Observatory Bldg.	500 00		80 12		419 88
	$365,345 00				
Of which chargeable to Wallberg Fund	7,000 00				
	$358,345 00	$134 87	$ 8,925 62	$ 7,000 00	$356,554 25
X. Faculty of Dentistry:					
99. Salaries	$ 87,577 00		$ 75		$ 87,576 25
99a. Post Graduate Courses		$140 00			140 00
100. Laboratory and Infirmary Supplies, etc.	23,000 00		162 95		22,837 05
101. General Expenses	2,250 00		16 60		2,233 40
102. Dental Building	14,000 00		1,194 83		12,805 17
	$126,827 00	$140 00	$ 1,375 13		$125,591 87
XI. Faculty of Household Science:					
103. Salaries	$ 28,750 00				$ 28,750 00
104. Household Science	3,175 00		298 13		2,876 87
105. Food Chemistry	1,900 00		62 31		1,837 69
106. General Expenses	2,000 00		28 23		1,971 77
107. Household Science Bldg.	5,250 00		476 72		4,773 28
	$ 41,075 00		$ 865 39		$ 40,209 61
XII. Faculty of Forestry:					
108. Salaries	$ 23,450 00		$ 65 00		$ 23,385 00
109. Maintenance	2,500 00		1,023 21		1,476 79
110. Forestry Building	2,435 00		423 99		2,011 01
	$ 28,385 00		$ 1,512 20		$ 26,872 80
XIII. Faculty of Music:					
111. Salaries	$ 3,750 00				$ 3,750 00
112. Maintenance	300 00		11 58		288 42
113. Special Grant to Toronto Conservatory of Music	15,000 00				15,000 00
	$ 19,050 00		$ 11 58		$ 19,038 42
XIV. School of Graduate Studies:					
114. Salaries	$ 4,150 00				$ 4,150 00
115. Maintenance	775 00		172 35		602 65
	$ 4,925 00		$ 172 35		$ 4,752 65
XV. School of Nursing:					
116. Salaries	$ 21,420 00				
117. Special Teaching	5,320 00				
118. School Maintenance	1,760 00				

Revenue Expenditures 1938-39—Continued

	Appropriation	Supplementary	Unused	Eaton, Rockefeller and Wallberg Funds	Total
119. Residence Maintenance	11,800 00	}		$ 40,129 22	$ 47,629 22
120. Contingency Fund	200 00				
121. Building, No. 7 Queen's Park	5,500 00				
	(46,000 00)				
Proportion chargeable to Revenue	7,500 00			$ 40,129 22	$ 47,629 22
XVI. Social Science:					
122. Salaries	$ 13,650 00	......	$ 125 00	......	$ 13,525 00
123. Maintenance	1,025 00	110 01	......	......	1,135 01
	$ 14,675 00	$ 110 01	$ 125 00	......	$ 14,660 01
XVII. University Extension and Publicity:					
124. Salaries	$ 19,150 00	......	$ 87 50	......	$ 19,062 50
125. Extension and Publicity Departments	52,000 00	11,677 83	......	......	63,677 83
	$ 71,150 00	$11,677 83	$ 87 50	......	$ 82,740 33
XVIII. Men's Residences:					
126. Maintenance of Buildings	$ 16,865 00	......	$ 1,139 44	......	$ 15,725 56
XIX. Women's Residences and Union:					
127. Maintenance of Buildings	$ 10,525 00	$ 36 87	......	......	$ 10,561 87
128. Housekeeping Account	58,225 00	......	5,360 96	......	52,864 04
	$ 68,750 00	$ 36 87	$ 5,360 96	......	$ 63,425 91
XX. 129. Central Power Plant	$176,700 00	......	$ 9,758 71	......	$166,941 29
XXI. Miscellaneous & General:					
130. Central Stores	$ 4,300 00	$ 2,644 31	......	......	$ 6,944 31
131. Grounds	19,900 00	......	140 34	......	19,759 66
132. Protective Service	17,450 00	......	1,546 70	......	15,903 30
133. Telephones	14,250 00	......	1,404 71	......	12,845 29
134. Insurance	27,000 00	......	2,609 14	......	24,390 86
135. Law Costs	1,000 00	......	113 25	......	886 75
136. Taxes	5,500 00	4,431 57	......	......	9,931 57
137. Auditor's Fees	3,000 00	......	......	......	3,000 00
138. Travelling Expenses	3,200 00	......	423 46	......	2,776 54
139. Receptions to Societies & University Visitors	3,000 00	......	1,512 75		1,487 25
140. Convocation Expenses	600 00	......	183 92		416 08
141. Aid to Publications and Societies	4,250 00	......	92 34		4,157 66
142. Senate Elections	......	......	......		......
143. Bursaries	15,000 00	......	2,610 50	......	12,389 50
144. Contingencies	20,000 00	......	17,790 61	......	2,209 39
	$138,450 00	$ 7,075 88	$ 28,427 72	......	$117,098 16
XXII. 145. Capital Account Charges	$119,653 00	......	......	......	$119,653 00
XXIII. Special Research:					
146. Departmental Appropriations	$ 18,900 00	......	$ 206 14	......	$ 18,693 86
147. Banting and Best	10,000 00	......	......	......	10,000 00
	$ 28,900 00	......	$ 206 14	......	$ 28,693 86

RECAPITULATION

		Appropriation	Supplementary	Unused	Eaton, Rockefeller and Wallberg Funds	Total
I.	Administration	$ 249,840 00	$ 4,890 31	$ 6,061 96		$ 248,668 35
II.	Library	120,665 00		1,028 30		119,636 70
III.	Royal Ontario Museum	84,613 00	24			84,613 24
IV.	Athletics, Physical Training, Military Studies, etc.	52,380 00	646 43	1,084 57		51,941 86
V.	Examinations	20,200 00		1,075 10		19,124 90
VI.	Faculty of Arts	921,672 00	527 56	15,476 66		906,722 90
VII.	Faculty of Medicine	372,605 00	781 37	13,874 55	85,052 73	444,564 55
VIII.	School of Hygiene				34,539 40	34,539 40
IX.	Faculty of Applied Science	358,345 00	134 87	8,925 62	7,000 00	356,554 25
X.	Faculty of Dentistry	126,827 00	140 00	1,375 13		125,591 87
XI.	Faculty of Household Science	41,075 00		865 39		40,209 61
XII.	Faculty of Forestry	28,385 00		1,512 20		26,872 80
XIII.	Faculty of Music	19,050 00		11 58		19,038 42
XIV.	School of Graduate Studies	4,925 00		172 35		4,752 65
XV.	School of Nursing	7,500 00			40,129 22	47,629 22
XVI.	Social Science	14,675 00	110 01	125 00		14,660 01
XVII.	University Extension and Publicity	71,150 00	11,677 83	87 50		82,740 33
XVIII.	Men's Residences	16,865 00		1,139 44		15,725 56
XIX.	Women's Residences and Union	68,750 00	36 87	5,360 96		63,425 91
XX.	Central Power Plant	176,700 00		9,758 71		166,941 29
XXI	Miscellaneous and General	138,450 00	7,075 88	28,427 72		117,098 16
XXII.	Capital Account Charges	119,653 00				119,653 00
XXIII.	Special Research (including Banting and Best)	28,900 00		206 14		28,693 86
		$3,043,225 00	$ 26,021 37	$ 96,568 88 26,021 37	$166,721 35	$3,139,398 84
		70,547 51		$ 70,547 51		
	Charged to Revenue	$2,972,677 49				
	Charged to Eaton, Rockefeller and Wallberg Funds	166,721 35				
	Total Expenditure as above	$3,139,398 84				

I. ADMINISTRATION

1. Salaries

(All salaries, except where otherwise stated, are for 12 months to 30 June, 1939.)

President's Office

Hon. H. J. Cody, LL.D., President	$ 15,000 00	
Miss A. W. Patterson, President's Secretary (paid also $250 as Secretary, Faculty of Music)	2,500 00	
Miss E. Hodge, Stenographer @ $1,000 per annum, 8 mos.	666 67	
		$ 18,166 67

Bursar's Office

C. E. Higginbottom, Bursar, 6 mos. from 1 January @ $4,800; Accountant, 6 mos. from 1 July @ $4,200	$ 4,500 00	
F. A. Mouré, Bursar, 6 mos. to 31 December @ $6,500 (resigned)	3,250 00	
Accounts Branch:		
J. A. Gair, Assistant	2,000 00	
Miss E. Long, Appropriations Ledger Clerk	1,600 00	
Miss R. Mahood, Assistant Appropriations Ledger Clerk	1,050 00	
Clerks:		
Miss J. Branton	1,350 00	
Miss E. Crookshanks	1,000 00	
J. R. Prince	1,000 00	
Miss F. M. Quinlivan	850 00	
Miss V. Whitehead	850 00	
Fees Branch:		
Miss E. B. Goodwin, Chief Clerk	2,100 00	
Gordon M. Grant, Cashier	1,500 00	
Record Clerks:		
Mrs. Edith M. Hardy	1,100 00	
Miss F. J. Rorke	900 00	
Secretarial Branch:		
Miss A. M. Gall, Chief Clerk @ $2,050 (on leave of absence; full salary to 31 December; half salary from 1 January to 30 June)	1,537 50	
Miss M. Burns, Assistant, $1,650; honorarium for extra services during absence of Miss Gall on leave, $150	1,800 00	
Miss M. Austin, Pensions Clerk, $1,550; honorarium for extra services during absence of Miss Gall on leave, $100	1,650 00	
Miss D. W. Haggart, Clerical Assistant @ $16 per week	834 67	
		$ 28,872 17

Registrar's Office

A. B. Fennell, Registrar	$ 5,100 00	
A. T. Laidlaw, Assistant Registrar	4,200 00	
Assistants:		
Miss A. MacGillivray	2,000 00	
Miss E. Hargreaves	1,900 00	
Miss I. E. Fraser	1,300 00	
Graduates' Register:		
Clerks:		
Miss B. G. Van Allen, @ $1,450 (on leave of absence without salary for 6 weeks from 16 April)	1,282 70	
Miss J. E. Woods, substitute for Miss Van Allen	144 00	
Miss M. F. Thompson	1,450 00	
Miss Ruth D. Wythe	1,000 00	
Miss J. L. Stephens	950 00	
Miss Margaret E. Smith	800 00	
Clerks:		
Miss A. S. Meen	1,700 00	
Miss M. M. Lavell	1,100 00	
Miss E. M. Sharpe, Secretary to Registrar	1,650 00	
Stenographers:		
Miss E. M. Fasken (on leave of absence from 15 November to 15 January)	1,450 00	
Miss Dorothy Woods	950 00	
Wm. Calladine, Filing Clerk	800 00	
		$ 27,776 70

Superintendent's Office

A. D. LePan, Superintendent of Buildings and Grounds	$ 6,500 00	
W. H. Bonus, Assistant Superintendent	4,500 00	
Assistants:		
G. D. Maxwell	3,500 00	
E. G. Moogk	2,700 00	
J. Shortreed	2,700 00	
W. L. D. Carnie, Chief Clerk	2,400 00	
Miss M. D. Chisholm, Stenographer	1,400 00	
Clerks:		
Miss A. K. Wynn	1,400 00	
Miss E. Nicklin	1,400 00	
Miss R. E. Cannon	1,050 00	
Miss R. M. Rankin	950 00	
Miss M. E. Lee	900 00	
Miss M. R. LeGrow	850 00	
		$ 30,250 00

Miscellaneous

J. B. Bickersteth, Warden, Hart House (with living valued @ $675)	$ 4,500 00	
E. A. Macdonald, Director of Student Aid and Placement (without salary—paid by Students' Administrative Council as Secretary-Treasurer)		
Leonard Smith, Bedel, also Attendant and Messenger, President's Office	1,125 00	
		$ 5,625 00
		$110,690 54

2. Pensions and Retiring Allowances.

University's contribution to Pension Funds for the year ending 30th June, 1939:			
Remitted to Teachers' Insurance and Annuity Association, New York, for credit of retiring allowances funded there (original contributory plan)	$33,895 46		
Less Conservatory of Music Contribution	100 00		
		33,795 46	
Credited to Fund No. 2 (Academic, formerly non-contributory plan)		32,000 00	
Credited to Fund No. 3 (Administrative and Clerical Employees)		27,755 00	
Sundry annual allowances (voted separately and not chargeable to above funds):			
J. T. Fotheringham		500 00	
H. H. Langton		400 00	
D. J. Clark		250 00	
Widow's allowances:			
Mrs. M. Hope Gillespie		900 00	
Mrs. Christian Lynn		375 00	
Allowances less amount charged to Pension Fund No. 2:			
Sir Robert Falconer, $10,000		7,600 00	
Dr. F. A. Mouré, 6 mos. from 1 January, $1,147.50		275 90	
			$103,852 26

3. President's Office.

Office supplies, postage, printing and incidentals:		
President H. J. Cody, sundry disbursements	36 45	
Postage	134 00	
Remington Rand, Typewriter	127 58	
University Press	822 84	
Accounts under $10 (3)	15 90	
		$1,136 77

4. Bursar's Office.

Office supplies, postage, printing and incidentals ($3,688.53):	
Burroughs Adding Machine Co., adding machine, $279.00 less allowance on old machine, $15.00, and maintenance service	297 70
Bernard Cairns, Ltd., dater stamps	12 37
Domore Chair Co., used chair	47 00
Grand & Toy, cheques, etc.	229 70

Johnson Office Furniture, used chairs, etc.	106 00	
Might Directories, Ltd.	32 40	
Office Specialty Mfg. Co., desks, chairs, transfer cases, etc.	226 10	
Postage	550 00	
Robbins & Townsend, typewriter inspection	51 70	
Underwood-Elliott-Fisher, Ltd., maintenance service, typewriters, $429.45, less allowance on old machine, $10	629 45	
University Press, printing and stationery	1,279 62	
Accounts under $10 (2)	4 20	
The Bursar, disbursements:		
Meals for staff—overtime work, $174.50; hire of car for office business for one year, $75; exchange on cheques and postal notes, $83.50; sundries, $3.54; less credit on exchange, $156.45	180 09	
Superintendent's Dept., labour, $29.01; material, $13.19	42 20	
Clerical Assistance ($5,318.74):		
Miss J. Berry, 50 weeks	788 58	
Edward Beverly, 9 weeks	90 00	
G. L. Court, 3 mos.	500 00	
Miss H. Dandy, 48 weeks	761 33	
Miss June Hall, 10 weeks	150 00	
Mrs. H. Lilley, 3 weeks, 1 day	63 33	
Miss E. Link, 20 weeks, 5 days	354 18	
H. E. McBride, 26 weeks, 9 days	587 66	
Mrs. Isobel McCormick, 48 weeks, 3 days	876 00	
H. Pouwels, 52 weeks, 1 day	1,147 66	
Stamp taxes and bank service charges	1,296 27	
		$10,303 54

5. Registrar's Office.

Stationery and office supplies ($2,770.54):		
P. E. Hyde, subscriptions to daily papers	27 00	
Might Directories, Ltd.	43 20	
Mimeograph Co., ink, stencils, etc.	49 45	
Murdock Stationery, paper, etc.	101 75	
Office Specialty Mfg. Co., overhauling cabinet, chair, guides, transfers, etc.	147 82	
Postage	1,450 16	
Robbins & Townsend, typewriter inspection	16 20	
E. G. Taylor, addressograph inspection	17 05	
Underwood-Elliott-Fisher, Ltd., typewriter, $149.85 less allowance on old machine, $49.85, paper ribbons, etc.	127 80	
University Press, printing and stationery	488 97	
Accounts under $10 (8)	30 15	
Sundry disbursements by Register	14 96	
Superintendent's Dept., labour, $169.39; material, $86.64	256 03	
Clerical Assistance ($701):		
Miss A. I. Firth, 13⅓ weeks	240 00	
Miss K. M. McQuarrie, 3 weeks	45 00	
C. S. W. Proctor, 3⅓ weeks	50 00	
Miss J. E. Woods, 23 weeks	366 00	
University Press, printing Arts calendar, curricula, etc.	3,497 20	
	6,968 74	
Less credits from sale of material, etc.	70 88	
		$6,897 86

6. Superintendent's Office.

Office supplies, postage, printing and incidentals ($2,046.82):		
Aikenhead Hardware, Ltd., labels	10 40	
Brown Bros., ledger, sheets, etc.	23 58	
Bernard Cairns, Ltd., rubber stamps, pads, ink, etc.	12 11	
Canadian General Electric Co., meter	15 68	
Cutten-Foster & Sons, car repairs	12 00	
R. G. Dalton Co., blueprints	25 14	
F. & E. Lightning Cheque Writer Sales, cheque writer reconditioned	25 00	
A. D. Gorrie, car $979.95, less allowance on old car $264.	715 95	
McMillan Publishers, Ltd., tariff service	25 00	
Office Specialty Mfg. Co., transfer cases, etc.	15 75	

Photographic Service, blueprints		28 80	
Postage		279 00	
J. Frank Raw Co., tracing paper		14 30	
Remington Rand, Ltd., adding machine inspection		23 00	
Robbins & Townsend, typewriter inspection		64 80	
Salem's Garage, car repairs		25 11	
J. S. Shortreed, travelling expenses to Dunlap Observatory and Gull Lake		16 80	
Young Bros., boxes		27 00	
University Press, printing and stationery		562 02	
Accounts under $10 (12)		43 74	
Sundry disbursements		15 88	
Superintendent's Dept., labour, $8.42; material, $57.34		65 76	
Incidental expenses re work on buildings:			
Labour		289 13	
Drafting assistance:			
A. H. Taylor, 52 weeks		1,212 80	
Clerical assistance ($414.04):			
Miss E. Dilman, 1 day		2 00	
Miss C. Hocking, 11 weeks, 4 days		175 00	
Miss M. G. Sonley, 11 weeks, 5 days		196 54	
Miss P. Worden, 18 days		40 50	
		3,962 79	
Less credit for Customs entry fees, etc.		60 00	
			$3,902 79

7. Convocation Hall and Simcoe Hall

Heat and light		4,424 12	
Gas, $72.96; water, $99.38		172 34	
Caretaker's supplies:			
Superintendent's Dept., material		534 85	
Cleaning ($5,207.76):			
Acme Window Cleaning Co.		16 50	
Allen Mfg. Co., laundry		36 91	
Parker's Dye Works, flags cleaned		13 30	
Whirlwind Carpet Cleaning Co.		14 00	
Superintendent's Dept., labour		5,127 05	
Repairs and renewals ($2,760.64):			
Wm. Bartlett & Son, awning covers		29 90	
Johnson Temperature Regulating Co., thermostat repairs		11 05	
Provincial Treasurer, public hall license		10 00	
Robert Simpson Co., chairs		125 00	
Vulcan Asphalt & Supply Co., stairway repairs		20 10	
Accounts under $10 (4)		23 25	
Superintendent's Dept., labour, $1,959.36; material, $581.98		2,541 34	
Acting Postmaster and Chief Messenger, H. R. Cheney, 12 mos.		1,400 00	
Messenger and Post Office service ($1,926.50):			
Messengers @ $8.50 to $16.00 per week:			
J. Monkhouse, 52 weeks		832 00	
W. Sherman, 52 weeks		494 00	
J. R. Wilson, 51 weeks		484 50	
A. Mackie, 8 weeks		68 00	
Carfares		48 00	
		16,244 21	
Less heat and light charged to Central Power Plant	$4,242 12		
Credit for cleaning	317 50		
		4,559 62	
			$11,684 59

8. President's House.

Repairs and renewals:			
Superintendent's Dept., labour, $130.15; material, $69.85		200 00	
			200 00
			$248,668 35

II. LIBRARY

9. Salaries.

W. S. Wallace, Librarian (paid also $390. in Ontario College of Education)	5,500 00	
Miss H. G. B. Woolryche Assistant Librarian	2,400 00	
Miss A. H. Young, Reference Librarian @ $2,000 per annum (ob. 23 November, salary for December paid to sister)	1,000 00	
Heads of Departments:		
Miss M. L. Newton (Circulation—paid also $25 in Ontario College of Education)	2,200 00	
Miss E. V. Bethune (Cataloguing)	2,100 00	
Miss A. M. Cordingley (Periodical)	1,800 00	
Assistants:		
Miss E. Creighton	1,700 00	
Miss J. Jarvis	1,650 00	
Miss E. Aldridge	1,650 00	
Miss M. H. Skinner	1,550 00	
Miss J. Rathbun (leave of absence for 3 mos. from 1 February)	1,550 00	
Miss I. Trowern	1,450 00	
Miss A. Leonard	1,450 00	
Miss D. Dignum	1,450 00	
Miss M. L. Hewitt	1,450 00	
Miss Edith L. Alexander	1,400 00	
Miss Dorothea Tod	1,400 00	
Miss G. Williams	1,350 00	
Miss K. Ball	1,350 00	
Miss Doris Shiell	1,350 00	
Miss V. A. Taylor	1,350 00	
Miss I. C. Hill	1,300 00	
Miss M. Robinson	1,300 00	
Miss Edith Cook	1,300 00	
Miss K. Wales	1,300 00	
Miss Ruth Haldenby (paid also $26 for Extension Work)	1,250 00	
Miss H. C. Wrightman	1,200 00	
Miss M. Rose	1,200 00	
Miss F. E. Bertram	1,200 00	
Miss V. I. Keys	1,200 00	
Miss Joan Knowlton	1,200 00	
Miss J. MacBeth	1,200 00	
Miss M. Thompson	1,200 00	
Miss Emma Wilson	1,200 00	
Miss M. Buchan (part-time)	500 00	
Assistants (incomplete year) @ $1,200 per annum:		
Miss Sheila Bell (6 mos. to 31 December, resigned)	600 00	
Miss E. Heightington }	600 00	
Miss Helen Troop } 6 mos. from 1 January	600 00	
James A. Patterson, Attendant (with rooms, heat and light valued at $420 as Caretaker of building)	1,150 00	
Messengers:		
Angus Mackie, 37 weeks, 5 days	306 66	
Frederick Powell, 5 weeks	40 00	
Stackmen:		
Stanley South	770 00	
William Fryer, 10 mos.	450 00	
Stuart Brammer, 2 mos.	100 00	
		$58,266 66

10. Library Maintenance

General Library Appropriation (Current Account):	
Books and periodicals ($36,816.07):	
E. G. Allen & Son	4,666 11
Thos. Allen	72 64
American Chemical Society	117 00
American Dental Association	61 01
American Institute of Mining and Metallurgical Engineers	36 70
American Journal of Physiology	30 96
American Library Association	104 32
American Medical Association	173 56
American Psychological Association	41 70
American Society for Testing Material	56 90

Baker & Taylor Co.	1,232 97
Baker Voorhis & Co.	30 45
Biological Abstracts	30 48
B. H. Blackwell & Co.	160 23
P. & H. Bliss	29 68
A. Bonnier Publishing Co.	267 05
Bookniga Corporation	38 31
R. R. Bowker	75 63
Braus-Riggenbach	120 51
British Library of Information	28 82
F. A. Brockhaus	7,405 06
Burroughs & Co.	42 50
Butterworth & Co.	79 10
Cambridge University Press	119 28
Canada Law Book	139 50
Canadiana Co.	118 60
Carswell & Co.	469 53
Sidney Carter	25 00
Citizens Research Institute	50 00
Clark Irwin Co.	696 30
Wm. Clowes & Sons	25 38
Columbia University Press	74 78
Creases Book & Print Shop	65 50
Owen Davies	36 33
Dawson Subscription Service	209 10
Walter de Gruyter & Co.	64 70
J. M. Dent & Son	71 08
Gaston Doin & Cie	54 08
Doubleday Doran & Co.	33 57
G. Ducharme	131 56
G. M. Echaniz	32 32
Egypt Exploration Society	43 61
Engineering Index Inc.	50 37
F. W. Faxon Co.	894 07
Franz C. Feger	480 17
Henry Geo. Fiedler	31 04
Gustav Fock	48 43
Gauthier & Villars	100 32
Genera Insectorum	26 40
Paul Geuthner	59 85
John Grant, Booksellers	45 56
Gurney & Jackson	53 48
Harper Bros.	149 13
Otto Harrassowitz	125 86
Harvard University Press	28 46
Hirschwaldsche Buchhandling	110 17
Ulrico Hoepli	40 59
Henry Holt & Co.	60 33
Dora Hood's Book Room	54 51
Johns Hopkins Press	68 14
Houghton, Mifflin Co.	28 26
Henry E. Huntington Library & Art Gallery	45 10
H. S. Jackson	45 00
Journal Press	50 68
Otto Lange	995 80
League of Nations Society of Canada	51 40
Librairie E. Droz	1,293 17
J. B. Lippincott	54 72
Longmans, Green & Co.	232 75
McAinsh & Co.	78 78
McClelland & Stewart	64 92
McGraw-Hill Book Co.	555 48
Geo. J. McLeod	127 24
MacMillan Co.	1,203 98
J. R. McMurrich	30 00
Newton MacTavish	77 00
Masson & Cie	87 21
Mrs. Isa Miller	25 00
Jas. M. Mitchell	250 17
Modern Language Assoc. of America	36 04

Museum of Modern Art		35 73
Musson Book Co.		92 15
Thos. Nelson & Sons		227 27
New York Times Index		205 69
N. V. Martinus Nijhoff		541 33
A. Nizet & M. Bastard		665 25
Old Authors Shop		28 87
Parker & Baird Co.		25 24
Sir Isaac Pitman & Sons		71 08
Poor's Publishing Co.		65 80
W. F. Quarrie & Co.		47 50
A. Poebel (Estate of Dr. A. Walther)		36 35
Royal Aeronautical Society		69 06
Ryerson Press		288 18
Mrs. H. Sanders		133 00
S. J. R. Saunders		198 00
Scholar's Facsimiles & Reprints		37 16
B. Seeber		37 09
Simpkin, Marshall, Ltd.		1,560 79
Henry Southern, Ltd.		45 74
G. E. Stechert & Co.		289 65
Stevens & Sons		30 57
Superintendent of Documents, Washington		201 93
N. V. Swetz & Zeitlinger		1,021 69
Chas. C. Thomas		62 13
John Tiranti & Co.		59 59
University of Chicago Press		342 79
University of Pennsylvania Press		29 73
Friedr, Vieweg & Sohn		38 07
Dr. T. L. Walker		400 00
E. Weyhe		79 40
Westmans Publishing Co.		25 50
John Wiley & Sons		284 06
Williams & Wilkins Co.		99 31
H. W. Wilson Co.		230 67
Wistar Institute of Anatomy & Biology		140 37
University Press		1,513 04
Accounts under $25 (388)		2,434 27
General Expenses ($12,770.73):		
Copeland Chatterson, Ltd., ledger sheets		36 29
Library of Congress, cards		194 88
Lowe-Martin Co., cards		316 22
Office Specialty Mfg. Co.		598 51
Postage		320 00
Remington Rand Ltd., typewriters		242 05
Robbins & Townsend, typewriter inspection		131 40
L. C. Smith & Corona Typewriter Co., typewriter		143 65
University Press, printing and stationery		10,165 97
Accounts under $10 (14)		96 11
Superintendent's Dept., freight, $477.77; labour, $28.15; material, $19.73		525 65
		49,586 80
Less replacement of books lost by departments		122 78
		49,464 02
Of which charged to sundry funds as follows:		
Carnegie Library, University College	$696 64	
Dental, Harry R. Abbott	480 42	
John Squair Fund No. 2	102 76	
King Alfred Millenary	463 63	
Phillips Stewart Bequest	33 38	
		1,776 83
		47,687 19
Transactions by Librarian:		
Balance in his hands 1 July, 1938, $96.85 credited from fines, $645.90; replacement of books lost $79.38; miscellaneous, $2.75; graduates' deposits, $963.42	$1,788 30	

Deposits refunded, $584.20; miscellaneous, $4.63; left in Librarian's hands to be accounted for, $60.11	648 94		
	1,139 36		
Transferred to Trust Funds (Schedule 3) balance of graduates' deposits	379 22		
Credited to this account		760 14	
			$46,927 05
Assistance:			
At $50 to $80 per month:			
Miss J. Arnold		621 95	
Miss M. Bealy		474 84	
Miss I. Brand		840 00	
Miss M. Clark		854 20	
Mrs. A. Dale-Harris		384 85	
Miss Rose Day		20 00	
Miss F. English		1,075 00	
Miss E. Heighington		415 19	
Miss K. Helm		261 27	
Miss C. Nisbet		433 81	
Miss R. McRostie		578 40	
Miss M. K. O'Connor		20 00	
Miss R. Read		657 95	
Miss P. Richardson		405 07	
Miss F. Russell		140 00	
Miss M. Slater		578 40	
Miss A. Stevens		140 00	
Mrs. K. Tassie		498 07	
Miss H. Troop		429 53	
At $50 per month:			
Angus Mackie		42 50	
Fred Powell		48 00	
At 50c to 75c per hour:			
Miss M. Carson		38 00	
Miss J. Cox		38 00	
Miss J. Davies		27 00	
John Gerby		2 25	
Miss M. Leach		27 00	
W. W. Prest		54 00	
Miss D. White		6 00	
		9,111 28	
Less credits		216 04	
$8,895.24 charged as follows:			
Occasional assistance, including opening Library in evenings			6,260 23
Special grant for re-classification			2,635 01
Alterations and fixtures:			
Superintendent's Dept., labour, $539.76; material, $330.38			870 14
			$56,692 43

II. Library Building

Heat and light	3,524 70
Gas, $49.38; water, $98.38	147 76
Caretaker's supplies:	
Superintendent's Dept., material	406 55
Cleaning ($2,096.26):	
Allen Mfg. Co., laundry	16 30
Canadian Cleaning Co., cleaning windows	35 00
Superintendent's Dept., labour	2,044 96
Repairs and renewals ($2,034.49):	
Wm. Bartlett & Son, shades	18 29
City Treasurer, elevator service	5 00
Italian Mosaic & Tile Co., tiling	165 00
Johnson Temperature Regulating Company, heating system repairs	10 77

Superintendent's Dept., labour, $1,325.59; material, $509.84		1,835 43	
Caretaker with living quarters valued at $420 (paid from salaries as Library Attendant)		....	
		8,209 76	
Less heat and light charged to Central Power Plant	$3,524 70		
Sundry credits	7 45		
		3,532 15	
			$ 4,677 61
			$119,636 70

III. 12. Royal Ontario Museum

University's share of maintenance advanced to the Trustees of the Royal Ontario Museum under R.S.O. 1927, Cap. 343	$ 84,613 00

IV. ATHLETICS, PHYSICAL TRAINING, MILITARY STUDIES, ETC.

13. Athletics and Physical Training—Men

(a) Salaries:		
T. A. Reed, Secretary, Athletic Directorate	$ 5,700 00	
Warren Stevens, Director of Physical Education (paid by Athletic Association)	....	
Gymnasium Instructors:		
W. H. Martin, also Supervisor of Compulsory Physical Training, 10 mos.	2,700 00	
J. E. McCutcheon, also Supervisor of Interfaculty Activities, 10 mos.	2,600 00	
C. Zwygard, 7 mos.	1,100 00	
Swimming Instructors:		
W. W. Winterburn, 10 mos.	2,600 00	
J. G. Troyer, temporary substitute	20 00	
Part-time Instructors (Sessional):		
H. Phillips	400 00	
L. W. Black honoraria	250 00	
C. Chilcott	250 00	
M. Glionna	200 00	
A. R. Menzies	50 00	
Locker Attendants:		
W. Rimmer, Chief Locker and Attendance Clerk	2,100 00	
C. Carruthers, 8 mos.	800 00	
J. R. Rimmer, 34 wks. @ $15	510 00	
A. Jordan, 18 wks. @ $15; 9 wks. 5½ days @ $17	472 00	
M. R. Depew, 26 wks. 3 days @ $15	397 50	
Miss K. Boyd, Clerical Assistant, 10 mos.	800 00	
	$ 20,949 50	
Less Secretary's salary charged to Athletic Association	5,700 00	
		$ 15,249 50
(b) Maintenasce of Department:		
Attendance records, card system ($83.05):		
Office Specialty Mfg. Co., chair and pad	$ 15 95	
University Press, printing and stationery	50 65	
Accounts under $10 (2)	16 45	
Gymnastic appliances and repairs to equipment ($876.62):		
American Tent and Awning Co., punching bags, mats, etc.	22 95	
H. Kennedy, balls	12 00	
John Leckie, Ltd., cables, etc.	10 90	
John McKechnie, rowing machine	12 96	
John A. Madsen, tumbling mats	90 00	
Geo. B. Meadows Wire and Iron Works, lockers and shelves	106 00	
National Mattress Felt and Batting Co., mattresses	36 72	
E. Siemonsen, backboards	75 00	
Toronto Radio and Sports Co., basket balls, gloves and nets	47 17	
United Carr Fastener Co., padlocks	37 80	
Jack Watson, Sporting Goods, boxing gloves, bats, etc.	73 00	
Harold A. Wilson, balls, gloves, fencing and gymnasium equipment	204 73	
Superintendent's Dept., labour, $103.73; material, $43.66	147 39	
		$ 959 67
		$ 16,209 17

14. Athletics and Physical Training—Women

(a) Salaries:		
Miss I. G. Coventry, Physical Director	$ 2,000 00	
Miss J. M. Forster, Assistant Physical Director, 8 mos. (on leave of absence from January to May, she to supply a substitute,—paid also $50 for Extension Work)	1,300 00	
Mrs. Margaret Anderson, substitute for Miss J. M. Forster	....	
Instructors in Swimming:		
Miss A. Cochrane, 7 mos. (paid also $50 for extension work)	1,200 00	
A. L. Cochrane, Assistant, 7 mos.	300 00	
Mrs. Margaret Graham, Clerical and Gymnasium Assistant, 8 mos. (paid also $20 for Extension Work)	300 00	
Miss A. E. M. Parkes, Secretary-Treasurer, Women's Athletic Directorate (Sessional—paid also $900 by Students' Administrative Council)	350 00	
		$ 5,450 00
(b) Maintenance of Department:		
Sundry expenses ($347.46):		
Allen Mfg. Co., laundry	$ 21 99	
Miss I. G. Coventry, piano rental	21 00	
Mrs. M. Graham, pianist, 192½ hours	192 50	
Grand and Toy, filing cabinet	50 00	
University Press, printing and stationery	28 30	
Accounts under $10 (7)	18 15	
Superintendent's Dept., labour, $8.78; material, $6.74	15 52	
Janitor service at night classes, A. J. Maycock	50 25	
	$ 397 71	
Less credit for towel service at swimming pool	58 85	
		$ 338 86
(c) Course for Diploma in Physical Education:		
Honoraria to Instructors:		
Dr. H. D. Ball, Anatomy } See also	$ 150 00	
Miss K. McMurrich, Anatomy and Kinesiology } Anatomy	150 00	
		300 00
		$ 6,088 86

15. Health Service—Men

(a) Salaries:		
G. D. Porter, Director	$ 5,250 00	
J. M. Thomas, Office Assistant (8 mos.)	1,000 00	
		$ 6,250 00
(b) Maintenance of Department:		
Examining Physicians ($1,180):		
Noble Black	$ 100 00	
A. H. W. Caulfeild	20 00	
T. A. Crowther	100 00	
C. B. Farrar	100 00	
Frank Hassard	100 00	
Ross A. Jamieson	20 00	
A. G. McPhedran	200 00	
S. J. N. Magwood	100 00	
John Oille	20 00	
Frank Park	100 00	
D. E. Robertson	20 00	
W. E. L. Sparks	100 00	
Addison Taylor	100 00	
G. Wright Young	100 00	
Surgical assistance and equipment ($422.00):		
J. A. McFarlane	200 00	
R. H. Thomas	200 00	
J. F. Hartz, plaster cutters	22 00	
Medical and office supplies and printing, including X-ray examinations ($241.84):		
J. W. Arrowsfith, reprints	17 32	
J. F. Hartz Co., medical supplies	115 77	
Toronto General Hospital, X-Rays	68 00	
University Press, printing and stationery	23 80	
Accounts under $10 (3)	16 95	
		$ 1,843 84
		$ 8,093 84

16. Health Service—Women.

(a) Salaries:		
Dr. Edith H. Gordon, Medical Adviser	$ 3,400 00	
Miss M. B. Jackes, Office Assistant, 8 mos.	1,200 00	
		$ 4,600 00
(b) Maintenance of Department:		
Expenses of Medical Office and examining room, including consultants, X-Ray, etc.:		
Allen Mfg. Co., laundry	$ 14 99	
Ingram and Bell, medical supplies	44 36	
Mitchell and McGill, typewriter stand	18 00	
National Stationers, Ltd., duplicator	18 00	
Owl Drug Stores, medical supplies	11 81	
Picker X-Ray of Canada, filing cabinet	28 00	
Sani-Tread Co., shower slippers	17 50	
Victor X-Ray Corp., radiograph	17 37	
Women's College Hospital, X-Rays	47 00	
University Press, printing and stationery	72 26	
Accounts under $10 (8)	37 16	
Superintendent's Dept., labour	1 50	
		$ 327 95
		$ 4,927 95

17. Military Studies.

(a) Salaries:		
Major M. B. Watson, Director (paid also $150 for Extension Work)	$ 2,500 00	
W. A. Baughurst, Assistant (10 mos.)	1,000 00	
		$ 3,500 00
(b) Maintenance of Department:		
Office and General expenses:		
Wm. Clowes, subscriptions, etc.	$ 10 89	
Photographic Service, prints and slides	17 55	
Roneo Co., stencils, ink, etc.	19 22	
University Press, printing and stationery	41 14	
Accounts under $10 (9)	29 57	
Superintendent's Dept., material	1 46	
		$ 119 83
		$ 3,619 83

18. Hart House—Share of Maintenance.

Heat and light	$ 19,302 73	
Cleaning, etc., of Gymnasium Wing:		
Comptroller, Hart House	4,200 00	
Repairs and renewals: ($6,590.62):		
City Treasurer, elevator license	15 00	
Italian Mosaic and Tile Co., tiling	50 50	
Nichols Chemical Co., ammonia and alum	22 80	
Accounts under $10 (2)	9 91	
Superintendent's Dept., labour, $4,770.04; material, $1,722.37	6,492 41	
	$ 30,093 35	
Less heat and light charged to Central Power Plant	19,302 73	
		$ 10,790 62

19. Women's Building—44 Hoskin Ave.

Maintenance:		
Fuel ($278.71):		
Central Coal Co.	$ 10 35	
Conger Lehigh Coal Co.	266 73	
Superintendent's Dept., labour	1 63	
Gas, $12.30; electric current, $60.86; water $8	81 16	
Caretaker's supplies:		
Superintendent's Dept., material	29 37	

Cleaning and furnace man ($411.87):		
Accounts under $10 (2)	8 76	
Superintendent's Dept., labour	403 11	
Repairs and renewals, ($371.75):		
W. E. Routery, plaster repairs	94 00	
Superintendent's Dept., labour, $225.53; material, $52.22	277 75	
		$1,172 86

20. Military Studies Building.

Maintenance:		
Light	157 91	
Fuel ($490.40):		
Central Coal Co.	51 45	
Conger Lehigh Coal Co.	438 95	
Gas, $18.78; water, $16.71	35 49	
Caretaker's supplies:		
Superintendent's Dept., material	58 92	
Cleaning ($311.68):		
New York Window Cleaning Co.	4 00	
Superintendent's Dept., labour	307 68	
Repairs and renewals ($142.24):		
Wm. Bartlett & Son, shades	5 69	
Superintendent's Dept., labour, $84.95; material, $51.60	136 55	
	1,196 64	
Less Light charged to Central Power Plant	157 91	
		$1,038 73
		$51,941 86

V. 21. Examinations

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Adelman, M.			13 50	13 50
Ainslie, D. S.	12 38	18 00		30 38
Alford, John	6 56			6 56
Allcut, E. A.	22 00			22 00
Anderson, J. M.	6 50			6 50
Anderson, P. G.	12 25			12 25
Andison, J. G.		24 00		24 00
Angus, R. W.	25 25			25 25
Ante, I. H.	20 00			20 00
Anthes, R. G.			7 50	7 50
Ardagh, E. G. R.	20 25			20 25
Armour, R. G.	45 00			45 00
Armstrong, H. G.	50 25			50 25
Arnold, R. K.	43 50	33 00		76 50
Arthur, E. R.	1 75	15 00		16 75
Assie, G. L.	5 25	27 00		32 25
Auld, F. C.	17 00			17 00
Bagnall, A. W.		27 00		27 00
Bailey, D. L.	14 00			14 00
Baillie, D. C.			10 50	10 50
Baillie, W. H. T.	6 75	69 00		75 75
Bain, J. W.	15 75			15 75
Baker, A. W.	6 25			6 25
Balthazard, Miss I. G.	7 75	27 00		34 75
Banks, E. A. H.	7 50	45 00		52 50
Barber, J. D.			12 00	12 00
Barker, A. E.		24 00		24 00
Banting, E. W.	6 50			6 50
Batt, H. E.	20 50			20 50
Bealey, Miss M.			3 00	3 00
Beatty, S.	9 00			9 00
Bell, H. G.	14 50			14 50
Benson, Dr. C. C.	2 75			2 75
Best, C. H.	5 00			5 00
Bett, H. D.			1 50	1 50
Biggs, G. M.	45 00			45 00
Birney, A. E.		18 00		18 00
Birss, R. J.			7 50	7 50
Blackwood, W. C.	18 25			18 25
Bladen, V. W.	10 75			10 75
Blanchard, A. J.			1 50	1 50
Boeschenstein, H.	17 50	27 50		44 50
Bondy, Rev. L. J.	12 38			12 38
Bonnycastle, D. D.		18 00		18 00
Boswell, M. C.	16 50			16 50
Bott, E. A.	6 00			6 00
Bowen, A. J.			159 00	159 00
Bowen, J. A. C.			7 50	7 50
Box, H. K.	10 50			10 50
Boyd, Wm.	11 50			11 50
Branion, H. D.	27 00			27 00
Brauer, R.		21 00		21 00
Brett, G. S.		5 75		5 75
Bridgland, C. J.			7 50	7 50
Brodie, Miss J. B.	2 75			2 75
Brooks, E. F.	50 00			50 00
Brown, Alan	44 75			44 75
Brown, R. J.		24 00		24 00
Brown, W. Hurst	45 00			45 00
Brown, W. T.	7 50			7 50
Bryant, L. R.	23 75			23 75
Burden, H. J.		15 00		15 00
Burke, C. L.			1 50	1 50
Burt-Gerrans, J. T.	7 50			7 50

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Burton, E. F.	3 12			3 12
Butterfield, Mrs. Jean R.	2 75			2 75
Caesar, L.	11 75			11 75
Cairns, G.	20 50			20 50
Cameron, G. C.	41 50			41 50
Campbell, A. A.	45 00			45 00
Campbell, W. R.	45 00			45 00
Cano, J.	2 17	9 00		11 17
Carscadden, W. G.	50 00			50 00
Carswell, J. M.			18 00	18 00
Carswell, W. E.		15 00		15 00
Cates, H. A.	9 50	24 00		33 50
Cavanagh, W. D.	5 00			5 00
Chapman, Miss D. M.	2 50	3 00		5 50
Clark, C. C.	40 50			40 50
Clark, R. M.			13 50	13 50
Clarkson, F. A.	17 25			17 25
Clawson, W. H.		50 40		50 40
Coburn, Miss K. H.	10 50			10 50
Cockburn, J. R.	11 00			11 00
Cole, Miss A. C.		39 00		39 00
Cole, C. E. C.	45 00			45 00
Conboy, F. J.	49 50			49 50
Cook, Miss A. L.	6 00			6 00
Corrigan, C. A.	5 25			5 25
Cosbie, W. G.	24 75			24 75
Cosens, G. G.		21 00		21 00
Cosgrave, Rev. F. H.	5 25			5 25
Cosgrave, G. P.	5 75			5 75
Couch, J. H.	45 00			45 00
Coventry, A. F.	2 50			2 50
Cowling, T.	81 50			81 50
Cox, M. A.	28 14			28 14
Craigie, E. H.	5 00	18 00		23 00
Crerar, S. R.	10 50			10 50
Crossley, Miss K. M.		39 00		39 00
Crouch, S. S.	30 00			30 00
Currelly, C. T.	1 31			1 31
Dale, E. A.	5 00			5 00
Dale, T. R.			27 00	27 00
Dalrymple, D.			30 00	30 00
Danis, J. T.	38 50			38 50
Dauphinee, J. A.	65 50			65 50
Davey, A.	21 75			21 75
Davidson, A. C.			15 00	15 00
Davis, H. M.			15 00	15 00
Dawson, R. M.	9 50			9 50
DeLury, D. B.	8 50			8 50
Detweiler, H. K.	94 00			94 00
Dewar, F. P.		15 00	3 00	18 00
Dillick, Sidney			30 00	30 00
Dixon, Miss D. C.			16 50	16 50
Dodington, E. L.			6 00	6 00
Dore, Rev. J. W.	18 75			18 75
Doyle, Miss M.	8 00			8 00
Drummond, W. M.	16 75			16 75
Duff, G. L.	8 50			8 50
Duff, T. A. J.	45 00			45 00
Dunbar, W. B.		27 00		27 00
Dwight, T. W.	5 25	18 00		23 25
Dwyer, Rev. W. J.	5 25			5 25
Edwards, G. R.			6 00	6 00
Elliott, H. C.	12 40			12 40
Ellis, R. G.	5 25			5 25
Endicott, N. J.	23 50		9 00	32 50
Englebert, Miss V. E.	2 50			2 50
Ernst, C. A.			7 50	7 50

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Evans, Rev. K. C.	5 00	3 00		8 00
Ewens, F. G.			4 50	4 50
Ewens, W. E.			16 50	16 50
Falconer, J. G.	50 00			50 00
Farquharson, R. F.	88 50			88 50
Farrar, C. B.	44 50			44 50
Fasken, N. R.			13 50	13 50
Ferguson, F. L.	7 75			7 75
Finkelman, J.	20 50			20 50
Finlayson, L. D.		30 00		30 00
Fisher, J.		24 00		24 00
Fletcher, A. A.	50 00			50 00
Ford, Dr. Norma	13 00			13 00
Foreman, A. S.			7 50	7 50
Fowler, W. J. R.	20 50			20 50
Fry, J. W.			6 00	6 00
Fulmer, H. L.	9 75			9 75
Funnell, W. S.	6 25			6 25
Gaby, R. E.	45 00			45 00
Galbraith, G. W.			7 50	7 50
Gallie, W. E.	10 25			10 25
Gardiner, W. J.	11 25			11 25
George, Ruggles	25 75			25 75
Glover, J. S.	20 50			20 50
Godfrey,, R. J.	5 25			5 25
Goggio, E.	6 00	18 00		24 00
Goldsmith, P. G.	45 00			45 00
Goodier, J. N.	5 50			5 50
Gordon, S. D.	50 00			50 00
Gould, S. H.	5 63	24 00		29 63
Graham, R. R.	52 00			52 00
Grant, R. R.	9 00			9 00
Gray, K. G.	14 90			14 90
Greenwood, W. F.			1 50	1 50
Griffith, B. A.	5 75	21 00		26 75
Guess, G. A.	27 25			27 25
Gunvaldsen, K. M.	42 00			42 00
Hagerman, A. R.	45 00			45 00
Haist, Mrs. M.			16 50	16 50
Hall, A. R.			21 00	21 00
Hally, G. H.		18 00		18 00
Ham, A. W.	7 75			7 75
Hamilton, F. W.	7 00			7 00
Hamilton, P. B.		18 00	1 50	19 50
Hamly, D. H.			22 50	22 50
Hancock, M. L.	7 75			7 75
Hare, F. A.	12 38	24 00		36 38
Hargreaves, Miss M. M.		39 00	34 50	73 50
Harris, C. W.	45 00			45 00
Harris, R. I.	1 25			1 25
Hart, C. W. M.	7 25			7 25
Hartmanshenn, Miss H. M.			24 00	24 00
Harvie, Miss K.			15 00	15 00
Haubner, R.			6 00	6 00
Havelock, E. A.	5 25	18 00		23 25
Haygarth, Miss F. M.	9 17			9 17
Healey, N. A.			43 50	43 50
Helwig, C. E.			6 00	6 00
Henderson, V. E.	11 10			11 10
Henderson, V. L.	8 38	12 00		20 38
Hepburn, J.	84 50			84 50
Hodgson, G. T.			6 00	6 00
Hogg, F. S.	5 25			5 25
Holderman, Miss B.			21 00	21 00
Holman, W. L.	6 50			6 50
Horembala, L. E.			6 00	6 00
Hosie, R. C.		3 00		3 00

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Houpert, J. A.	2 50			2 50
Howitt, J. E.	5 25			5 25
Howland, G. W.	45 00			45 00
Hunter, A.	6 00			6 00
Hurst, R. O.	169 50			169 50
Hyland, H. H.	45 00			45 00
Ireton, H. J. C.		27 00		27 00
Jackson, K. B.	13 12			13 12
James, R. W.			31 50	31 50
Janes, R. M.	43 00			43 00
Jennings, S. A.	5 25		30 00	35 25
Johnston, J. F. A.	45 00			45 00
Jones, L. E.			6 00	6 00
Jones, T. H.	7 50			7 50
Kaplansky, I.			27 00	27 00
Keegan, R.	7 50			7 50
Kelley, Miss Aileen M.	5 13			5 13
Kendall, E. W.	7 75			7 75
Kennedy, W. P. M.	25 50			25 50
Kenrick, F. B.		7 25		7 25
Ketchum, J. D.	7 00			7 00
Kilburn, L. A.	36 25			36 25
King, J. T.	10 75			10 75
Kingston, Rev. G. F.		45 00		45 00
Kirkpatrick, Miss J. I.	3 25		12 00	15 25
Kirkwood, Mrs. M. M.	23 50			23 50
Kirkwood, W. A.	5 25	18 00		23 25
Knox, R. G.	10 25			10 25
Knox, R. S.	5 00			5 00
Kreutzer, J.	58 11			58 11
Krieger, Miss C. C.	14 50			14 50
Krueger, L. F.	29 25			29 25
Kuitunen, Mrs. E.			13 50	13 50
Lacey, A.	8 00	18 00		26 00
Laing, Miss J. C.		12 00		12 00
Lamon, Miss F. E.			19 50	19 50
Langford, R. R.	7 50			7 50
Lauchland, L. S.	5 25		6 00	11 25
Lazier, M. J. C.	15 63			15 63
LeBel, Rev. E. C.		24 00		24 00
Ledoux, Mme. J.		30 00		30 00
Legget, R. F.		24 00		24 00
Lehmann, A. J. V.	6 25			6 25
Lewis, E. E.			10 50	10 50
Lewis, E. P.	24 75			24 75
Lewis, F. I.	45 00			45 00
Lingren, C. E.			6 00	6 00
Loeb, Miss N.			21 00	21 00
Lord, G. R.		12 00		12 00
Lorriman, F. R.	6 50			6 50
Lott, F. M.	11 00			11 00
Loudon, J. D.	45 00			45 00
Loudon, T. R.	21 37			21 37
Lougheed, Miss A.	8 75	3 00		11 75
Low, D. M.	45 00			45 00
Lowry, W. H.	45 00			45 00
Lucas, G. H. W.	6 25			6 25
Luscombe, W. R.			22 50	22 50
MacArthur, J. W.	2 63			2 63
MacCallum, H. R.	7 75			7 75
McConkey, O.	17 25			17 25
McCullagh, D. G.		21 00		21 00
McCullough, W. S.	17 00	60 00		77 00
McCurdy, W. J.		39 00		39 00
Macdonald, E. W.	8 75			8 75
Macdonald, J. F.	26 75			26 75
McDonald, J. L.	45 00			45 00

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
MacDonald, Miss M. D.	6 00	30 00		36 00
Macdougall, L. G.			6 00	6 00
MacFarlane, J. A.	45 00			45 00
McGahey, Rev. J.	10 50			10 50
McGilvray, C. D.	41 00			41 00
McIlwraith, T. F.	1 31			1 31
McInnis, E. W.	7 75			7 75
McIntosh, R. A.	30 75			30 75
McIntosh, W. G.	22 00			22 00
McIntyre, R. B.		18 00		18 00
MacKay, L. A.	6 00	24 00		30 00
MacKenzie, N. A. M.	10 00			10 00
McKeown, W. J.			21 00	21 00
McKinley, D. W. R.			12 00	12 00
McLaughlin, R. R.	6 25			6 25
McLean, E. C.	16 25			16 25
MacMillan, Sir Ernest	92 66			92 66
McMurrich, Miss K. I.	12 00			12 00
McPhedran, A. G.	45 00			45 00
McPhedran, J. H.	45 00			45 00
McPhedran, W. F.	45 00			45 00
Macpherson, C. B.	5 25			5 25
McRostie, G. P.	15 00			15 00
McTaggart, H. A.	3 13			3 13
Madill, H. H.	1 75	18 00		19 75
Maltby, E. J.	50 00			50 00
Marks, B.			6 00	6 00
Martin, F.	3 75			3 75
Martin, W. H.	6 25			6 25
Mason, A. D. A.	5 25			5 25
Meek, T. J.	5 25			5 25
Meen, Miss M. K.			13 50	13 50
Melson, J. W.	5 25	3 00		8 25
Miller, C. E.			27 00	27 00
Millman, P. M.	10 50	21 00		31 50
Mitchell, C. H.	7 50			7 50
Moffatt, R. C.	29 75			29 75
Mohun, W. A.			7 50	7 50
Montgomery, A. E.	11 25			11 25
Montgomery, R. J.		24 00		24 00
Moore, E. S.	8 63			8 63
Morley, Miss S. G.	3 25	39 00		42 25
Morrison, C. F.	19 13	27 00		46 13
Murray, Rev. W. H.	5 13			5 13
Myers, C. R.	21 25			21 25
Newcombe, J. A.	5 25	6 00		11 25
Okulitch, V. J.	9 88			9 88
O'Malley, Miss I.	3 25			3 25
O'Toole, Rev. W. B.	3 50			3 50
Ozburn, R. H.	12 50	45 00		57 50
Parker, C. B.	50 00			50 00
Parker, J. H.	11 67		30 00	41 67
Parker, W. E. B.			6 00	6 00
Parkes, Miss A. E. M.		24 00		24 00
Parkinson, J. F.	5 25			5 25
Parsons, A. L.	2 63			2 63
Patterson, G. C.	10 50			10 50
Paul, E. W.	36 50			36 50
Phelan, Rev. G. B.	5 75			5 75
Piersol, W. H.	5 50			5 50
Plummer, Miss H. C.	5 25			5 25
Porter, A. M.		3 00		3 00
Pounder, I. R.	26 00			26 00
Pratt, D. W.	45 00			45 00
Pratt, E. J.	23 75	24 00		47 75
Pratt, Mrs. E. J.		51 00		51 00
Price, H. W.	6 25			6 25

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Price, Dr. R. Margarite		30 00		30 00
Priestley, F. E. L.			16 50	16 50
Psutka, E.			30 00	30 00
Quinlan, Miss F. M.	10 50	57 00		67 50
Rae, C. A.	45 00			45 00
Rae, J. J.	13 25			13 25
Raithby, G. E.	22 00			22 00
Rapson, W. H.			22 50	22 50
Reed, Miss E. J.		6 00		6 00
Reid, J. E.	13 00			13 00
Reid, Spence	45 00			45 00
Richards, G. E.	5 25			5 25
Richardson, S. M.	5 25			5 25
Ricker, E. A.			6 00	6 00
Riddell, R. G.	10 50	27 00		37 50
Riddle, Miss W. C.	5 25	105 00		110 25
Riese, Miss L.	2 50			2 50
Risdon, F. E.	8 62			8 62
Robbins, Miss M.			1 50	1 50
Robbins, Mrs. M. R.			27 00	27 00
Robbins, W.			18 00	18 00
Robertson, S. R.			40 50	40 50
Robinson, D. A. F.	7 25	24 00		31 25
Robinson, G. deB.	5 25			5 25
Robinson, W. L.	25 40			25 40
Roddy, Miss L.			9 00	9 00
Rogers, H. M.			30 00	30 00
Ross, Mrs. Janet			25 50	25 50
Ross, J. W.	45 00			45 00
Rouillard, C. B.	2 50			2 50
Rowe, G. L.			6 00	6 00
Ruhnke, G. N.	14 50			14 50
Ryerson, E. S.	117 63			117 63
Rykert, H. E.	45 00			45 00
Sagar, W. L.		21 00		21 00
Sarjeant, T. R.	45 00			45 00
Satterly, J.	12 00			12 00
Saunders, R. M.	18 00	24 00		42 00
Schofield, F. W.	41 00			41 00
Scott, D. P.			12 00	12 00
Scott, Dr. Paul	85 25			85 25
Scott, Wm. A.	83 50			83 50
Sedgwick, Miss M.			16 50	16 50
Shaw, J. E.	10 50			10 50
Shenstone, N. S.	45 00			45 00
Shepherd, A. L.		27 00		27 00
Sheppard, N. E.	5 25			5 25
Shilton, Miss R.	5 75			5 75
Shore, T. C.		24 00		24 00
Shutt, D. B.	7 00			7 00
Simmons, S. A.		45 00		45 00
Sims, Miss E. K.	24 00			24 00
Sissons, C. B.	6 00			6 00
Smallfield, H. A.	7 00			7 00
Smith, C. G.	28 45			28 45
Smith, E. A.	5 25			5 25
Smith, E. W.			6 00	6 00
Smith, H. G.	11 38			11 38
Smith, Leo	90 29			90 29
Smith, R. E.		21 00		21 00
Smith, V. G.	10 50	30 00		40 50
Snyder, E. S.	23 75			23 75
Solin, C. D.	5 25		31 50	36 75
Spence, J. J.		48 00		48 00
Spinks, G. W.	5 25			5 25
Sproule, W. H.	14 00			14 00
Staples, W. E.	5 25	24 00		29 25

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Stevenson, A. F. C.	5 25			5 25
Stevenson, O.	16 25			16 25
Stewart, A.		45 00		45 00
Stillwell, E. C.	15 00			15 00
Stone, R. E.	16 50			16 50
Sutton, H. A.			18 00	18 00
Synge, J. L.	5 25			5 25
Tait, M. D. C.	18 00			18 00
Taylor, N. B.	2 00			2 00
Taylor, T. M. C.	5 50			5 50
Taylor, W. R.	19 50			19 50
Thomson, J. E.	15 00			15 00
Tidridge, W. A.			1 50	1 50
Tobin, F. J.			24 00	24 00
Tomlinson, A. H.	7 75			7 75
Toomer, J. E.		24 00		24 00
Tracy, G. F.		27 00		27 00
Treadgold, W. M.	5 25	12 00		17 25
Treloar, J. B.			6 00	6 00
Trethewey, W. H.		21 00		21 00
Tuba, J.		3 00		3 00
Turrall, W. T.			6 00	6 00
Urquhart, R. W. I.	9 65			9 65
Van Wyck, H. B.	38 75			38 75
Waddell, Miss M. E. G.	5 25	33 00		38 25
Walker, E. M.	2 63			2 63
Wallace, P. R.			33 00	33 00
Wallace, W. A.			10 50	10 50
Walton, W. M.			34 50	34 50
Wardell, A.		84 00		84 00
Warner, W. P.	82 00			82 00
Wasteneys, H.	24 50			24 50
Waters, E. T.	7 50			7 50
Watson, C. H.	45 00			45 00
Watt, J. C.	16 50			16 50
Weatherburn, A. S.			4 50	4 50
Welsh, W. K.	53 65			53 65
Westcott, F. J.	19 25	6 00		25 25
Wetmore, F. E. W.	17 25			17 25
Wey, J. C.	5 00			5 00
White, A. W. M.	45 00			45 00
White, J. H.		15 00		15 00
White, Rt. Rev. W. C.	1 31			1 31
Wilhelm, J. O.		27 00		27 00
Willan, Healey	90 29			90 29
Willard, Miss A. C.	7 75			7 75
Williams, C. H. M.	37 25			37 25
Williams, D. C.			22 50	22 50
Wilson, G. E.	45 00			45 00
Wiren, R. C.		18 00		18 00
Woodcock, Mrs. Florence E.	5 50			5 50
Woodcock, J. N.	5 63			5 63
Woodside, M. St. A.		24 00		24 00
Wookey, H. W.	45 00			45 00
Workman, Miss G. W.			15 00	15 00
Wright, Miss J. G.	5 75			5 75
Wynne, A. M.	5 00			5 00
Young, C. R.	20 12			20 12
Young, Miss J. E.		6 00		6 00
Zimmer, A. R.	11 75			11 75
	$6,590 88	$2,537 40	$1,509 00	$10.637 28

Apportionment

	Remuneration to Examiner	Presiding Officer	Attendance	Totals
Arts	785 69	1,155 00	888 00	2,828 69
Medicine	3,148 20	174 00	142 50	3,464 70
Applied Science	493 00	564 00	327 00	1,384 00
Dentistry	676 75	129 00	81 00	886 75
Household Science	36 75	15 00		51 75
Forestry	15 75	57 00		72 75
Music	273 24	50 40	1 50	325 14
School of Nursing		39 00	9 00	48 00
Social Science		51 00	10 50	61 50
University Extension	64 50			64 50
Pharmacy	313 75	69 00	49 50	432 25
Agriculture	525 75	183 00		708 75
Veterinary Science	184 50	27 00		211 50
Law	73 00	6 00		79 00
Graduate Studies		18 00		18 00
	$6,590 88	$2,537 40	$1,509 00	$10,637 28

Remuneration to examiners (as detailed above)		$6,590 88
Presiding and attendance (as detailed above)		4,046 40
Honoraria for special services as a Revising Committee: Prof. W. J. McAndrew, $100; Prof. H. Bennett, $100; Prof. J. N. Woodcock, $100; Rev. B. F. Sullivan, $100		400 00
Examination supplies and sundries ($2,524.23):		
Engrossing diplomas, etc.: S. Harrod, $318.10; G. B. Pritchard, $223.50; E. Awde, $61.50	$603 10	
Knox College, janitor service	25 00	
Stainton & Evis, wax	11 00	
University Press, pseudonym books, etc	1,654 35	
Accounts under $10 (3)	15 43	
Superintendent's Dept., freight, $1.21; labour, $192.01; material, $22.13	215 35	
		2,524 23
Printing examination papers and class lists: University Press		6,095 29
		19,656 80
Less credit for sale of examination books, etc		531 90
		$19,124 90

VI. FACULTY OF ARTS

22. Salaries.

(1) Departments in University of Toronto ($623,763.92)

Dean's Office

S. Beatty, Dean (paid also $5,500 as Professor and $80 for Extension Work)	$1,000 00	
		$1,000 00

Mathematics.

Professors:		
S. Beatty (see also above)	$5,500 00	
I. R. Pounder	4,500 00	
Associate Professors:		
W. J. Webber	4,100 00	
N. E. Sheppard	3,900 00	
D. A. F. Robinson	3,400 00	
Assistant Professors:		
J. D. Burk (paid also $420 for Extension Work)	2,700 00	
G. DeB. Robinson (paid also $300 for Extension Work)	2,700 00	
Richard Brauer	2,700 00	
H. S. M. Coxeter (paid also $300 for Extension Work)	2,700 00	

Lecturers (Sessional):		
Miss C. Krieger (paid also $420 for Extension Work)	2,100 00	
Miss M. E. G. Waddell	2,000 00	
D. B. DeLury	1,900 00	
D. C. Baillie	1,500 00	
Fellows (Sessional):		
DeLury Barber (paid also $16.50 for clerical assistance)	700 00	
R. H. Bruck	700 00	
S. A. Jennings	700 00	
I. Kaplansky	700 00	
J. M. Kingston	700 00	
C. D. Solin	700 00	
		$43,900 00

Applied Mathematics.

J. L. Synge, Professor	$6,000 00	
A. F. C. Stevenson, Associate Professor	3,800 00	
Lectures (Sessional):		
B. A. Griffith	2,200 00	
Leopold Infeld	2,000 00	
Fellows (Sessional):		
P. R. Wallace	700 00	
I. L. Wilson	700 00	
		$15,400 00

PHYSICS.

Professors:		
E. F. Burton, also Director of Physical Laboratory	5,500 00	
J. Satterly (paid also $560 for Extension Work)	5,000 00	
L. Gilchrist	4,500 00	
H. A. McTaggart	4,400 00	
Associate Professors:		
H. Grayson Smith	3,600 00	
D. S. Ainslie (paid also $420 for Extension Work)	3,200 00	
H. J. C. Ireton	3,200 00	
Assistant Professors:		
J. O. Wilhelm	2,900 00	
C. Barnes	2,700 00	
M. F. Crawford (paid also $200 from Special Fund)	2,500 00	
A. Pitt (paid also $100 from Special Fund)	2,450 00	
Lecturers (Sessional)		
Miss E. J. Allin	2,100 00	
Miss K. M. Crossley	1,600 00	
Miss F. M. Quinlan	1,600 00	
J. M. Anderson, Demonstrator and Lecturer (Sessional—paid also $100 from Special Fund)	1,500 00	
Honorary Special Lecturers (Sessional):		
B. Haurwitz		
E. W. Hewson		
W. E. K. Middleton	without salary	
J. Patterson		
A. Thomson		
Special Lecturers (Sessional):		
W. H. Kohl	200 00	
A. B. McLay	200 00	
W. E. Turnbull, Honorary Demonstrator (Sessional—without salary)		
Demonstrators (Sessional):		
R. Richmond (paid also $100 from Special Fund)	1,200 00	
H. L. Welsh	1,200 00	
J. Hillier	1,100 00	
Assistant Demonstrators Sessional):		
H. M. Bryant	500 00	
R. W. Callon	500 00	
C. B. Campbell	500 00	
C. K. Cheng	500 00	
A. R. Clark	500 00	
J. C. Findlay	500 00	
A. W. Love	500 00	
R. W. Rae	500 00	
P. J. Sandiford	500 00	

Miss A. T. Reed, Secretary and Class Assistant	2,000 00	
Miss N. K. Reed, Clerical Assistant and Librarian	1,100 00	
B. Clark, Mechanician	2,200 00	
Assistant Mechanicians:		
J. Ward	2,000 00	
J. Anderson	1,900 00	
G. T. Woodward	1,900 00	
F. M. Shepherd	1,600 00	
Albert Owen	1,000 00	
R. H. Chappell, Glass-blower	2,800 00	
P. Blackman, Laboratory and Lecture Assistant(paid also $20 for Extension Work)	1,700 00	
		$73,350 00

Astronomy

R. K. Young, Professor, also Director of David Dunlap Observatory	$ 4,500 00	
F. S. Hogg, Assistant Professor	3,000 00	
Lecturers (Sessional):		
P. M. Millman	2,200 00	
J. F. Heard	1,950 00	
Assistants (Sessional):		
G. H. Tidy	1,000 00	
A. F. Bunker	400 00	
Miss F. S. Patterson (2 mos.)	200 00	
W. F. M. Buscombe (1 mo.)	75 00	
Miss R. J. Northcott, Computer and Demonstrator	1,250 00	
Mrs. Helen S. Hogg, Research Assistant (Sessional)	400 00	
Miss E. M. Fuller, Secretary-Librarian	1,250 00	
G. F. Longworth, Night Assistant and Machinist	1,400 00	
		$17,625 00

Geology

Professors:		
E. S. Moore (paid also $100 for Summer Field Work)	$ 5,500 00	
G. B. Langford, Mining Geology	4,800 00	
A. MacLean	4,300 00	
Assistant Professors:		
L. S. Russell	2,500 00	
Dr. Madeleine A. Fritz (part-time—paid also in Royal Ontario Museum)	850 00	
J. Satterly, Lecturer (Sessional)	2,100 00	
V. J. Okulitch, Instructor (Sessional—paid also $50 for Summer Field Work and $50 for Extension Work)	1,700 00	
Class Assistants (Sessional):		
H. S. Armstrong	250 00	
M. W. Bartley	250 00	
M. C. Gardiner	250 00	
J. H. Low	250 00	
C. E. Michener	250 00	
V. K. Prest	250 00	
R. M. Sternberg	250 00	
D. Monteith, Laboratory Attendant (part-time) 38 wks. 5 days @ $18 per wk.	700 00	
		$24,200 00

Mineralogy

Professors:		
A. L. Parsons	$ 5,000 00	
J. Ellis Thomson (paid also $240 for Extension Work)	4,300 00	
M. A. Peacock, Associate Professor	4,000 00	
V. B. Meen, Lecturer (Sessional—paid also in Royal Ontario Museum)	1,700 00	
Assistants (Sessional):		
J. S. Allen	400 00	
L. G. Berry (paid also $75 for Extension Work)	400 00	
W. Wightman, Laboratory Attendant, 9 mos. (paid also $50 for Extension Work)	900 00	
		$16,700 00

Chemistry

Professors:		
F. B. Kenrick (also Head of Department)	$ 5,500 00	
J. T. Burt-Gerrans, Electro-Chemistry	4,500 00	
L. J. Rogers	4,500 00	
A. R. Gordon	4,500 00	
Associate Professors:		
J. B. Ferguson	4,400 00	
W. S. Funnell	4,200 00	
W. H. Martin	4,200 00	
F. R. Lorriman	3,600 00	
F. E. Beamish	3,400 00	
George F. Wright, Assistant Professor	3,300 00	
Lecturers (Sessional):		
J. J. Rae (paid also $122 for Extension Work)	2,300 00	
F. E. W. Wetmore	2,300 00	
Miss J. C. Romeyn, Micro-analysis	1,500 00	
Assistants (Sessional):		
Miss E. V. Eastcott	1,800 00	
A. A. Janis (6 mos. 6 days @ $1,400)	1,085 00	
E. A. Hollingshead	799 00	
M. Wayman	799 00	
W. H. Brown	724 00	
L. D. Finlayson	724 00	
W. M. Orchard	724 00	
S. Shankman	724 00	
J. Seath, (resigned 30 April)	633 50	
I. G. Goddard	725 00	
W. J. Hornibrook	725 00	
E. Y. Spencer	725 00	
W. A. Tidridge	725 00	
R. W. Allgood	650 00	
H. D. Bett	650 00	
A. W. Birnie	650 00	
D. M. Burpee	650 00	
D. C. Downing	650 00	
L. Munn	650 00	
J. L. Myers	650 00	
W. J. Rogers	650 00	
M. H. Thomas	650 00	
Miss C. M. Woolsey	400 00	
H. A. Bewick (1 mo.)	50 00	
Demonstrators, Electro-Chemistry (Sessional):		
D. J. LeRoy	824 00	
W. A. Patterson	824 00	
G. E. Willey	824 00	
Laboratory Assistants:		
R. Fortescue (with rooms, heat and light valued @ $420 as caretaker of building)	1,200 00	
W. Banton, $1,500 (and overtime $15.05); Lecture Assistant, $200	1,700 00	
Laboratory Attendants @ $11 to $14 per week:		
H. Renwick	731 16	
H. Davis, 40 wks.	532 00	
A. Van Winckel, 41 wks. 5 days	460 00	
P. Rowley, 8 wks. 4 days	104 74	
F. H. Twigg, 153 hrs. @ 44c per hr.	67 32	
	$72,679 72	
Organic Chemistry Research:		
Hermann O. L. Fischer, Professor of Research (paid $5,000 from Special Funds)	....	
Erich Baer, Assistant Professor of Research	3,000 00	
J. M. Grosheintz, Research Associate	2,040 00	
R. MacDougall, Chemical Technician	780 00	
Mrs. C. McCallum, Laboratory Attendant, 685 hrs. @ 32c per hr. (paid also $350 in Pathological Chemistry)	219 20	
		$78,718 92

Biology

Professors:		
E. M. Walker, Invertebrate Zoology (also Head of Department)	$ 5,500 00	
W. H. Piersol, Histology and Embryology, @ $5,100 of which half charged to Anatomy	2,550 00	
A. G. Huntsman, Marine Biology (without salary)	....	
Associate Professors:		
J. R. Dymond, Systematic Zoology	4,300 00	
A. F. Coventry (paid also $200 as Special Lecturer in Medicine)	4,000 00	
W. H. T. Baillie, Mammalian Anatomy	4,000 00	
J. W. MacArthur, Genetics	4,000 00	
E. H. Craigie, Comparative Anatomy and Neurology	3,650 00	
Assistant Professors:		
W. J. K. Harkness, Limnobiology	3,550 00	
Dr. Norma H. C. Ford, Human Biology	3,050 00	
K. C. Fisher, Experimental Biology	2,850 00	
Lecturers:		
F. P. Ide (paid also $442 for Extension Work)	2,300 00	
R. R. Langford (10 mos.—paid also $1,250 in Special Research)	900 00	
Demonstrators (Sessional):		
C. W. J. Armstrong	900 00	
Miss V. Engelbert	900 00	
F. E. J. Fry (paid also $1,250 in Special Research)	900 00	
Assistants (Sessional):		
P. F. Elson	650 00	
Miss R. D. C. Martin	520 00	
G. E. Bucher	400 00	
K. Graham	400 00	
S. H. Chambers (paid also $100 in Special Research)	300 00	
W. A. Kennedy	300 00	
V. E. F. Solman	300 00	
E. Winchester	275 00	
Miss A. M. Ironside (paid also $400 in Special Research)	160 00	
Mrs. Margaret Haist	105 00	
A. R. Hall	100 00	
J. Spizizen	100 00	
Miss H. J. Goulding	60 00	
W. M. Sprules	60 00	
Miss J. Burnham	40 00	
D. A. Fraser	40 00	
J. C. Hall	40 00	
W. R. Martin	40 00	
Miss R. H. Moore	40 00	
Miss G. Workman	40 00	
J. S. Hart	30 00	
A. Quantrill, Mechanical Technician	1,500 00	
S. Clare, Assistant, Experimental Biology	950 00	
T. Stovell, Microscopic Technician	950 00	
Miss A. H. Bell, Photographer (10 mos.—paid also in Royal Ontario Museum)	800 00	
W. J. LeRay, Curator of Vivarium	1,750 00	
D. G. LeRay, Assistant in Vivarium	700 00	
A. Wilson, Chief Laboratory Assistant	1,050 00	
W. Smith, Laboratory and Stores Attendant	800 00	
A. Prince, Laboratory Attendant, 33 wks.	350 00	
E. C. Cross, Secretary (paid also in Royal Ontario Museum)	1,800 00	
Secretarial Assistants:		
Mrs. Helen Johnson	1,200 00	
Miss E. Caesar (9 mos.)	720 00	
Miss P. Foreman, Stenographer and Librarian	1,050 00	
		$60,970 00

Botany

Professors:	
R. B. Thomson, Plant Morphology	$ 5,500 00
H. S. Jackson, Mycology	5,200 00
Associate Professors:	
D. L. Bailey, Plant Pathology (part-time)	3,500 00
G. H. Duff, Plant Physiology	4,100 00
H. B. Sifton, Plant Morphology and OEcology	4,100 00

Assistant Professors:		
Dr. J. Gertrude Wright	3,000 00	
T. M. C. Taylor (on leave of absence for Easter Term)	2,800 00	
L. C. Coleman, Associate	2,000 00	
A. J. V. Lehmann, Senior Demonstrator (Sessional—paid also $325 in Special Research)	1,700 00	
Miss D. F. Forward, Assistant and Demonstrator (Sessional)	1,400 00	
Class Assistants (Sessional):		
M. W. Bannan (paid also $400 in Special Research)	600 00	
W. R. Watson (paid also $295 in Special Research)	500 00	
P. G. Newell	480 00	
K. A. Clendenning	450 00	
C. N. Haldenby	450 00	
G. W. Hope	450 00	
L. T. Richardson (paid also $270 in Special Research)	450 00	
A. J. Skolko (paid also $270 in Special Research)	450 00	
M. F. Welsh	450 00	
Miss V. Facey (paid also $400 in Special Research)	400 00	
D. H. Hamly (paid also $460 in Special Research; $550 in Applied Physics; $175 in Special Research, Applied Physics; and also $400 from Special Funds)	400 00	
H. M. Harrison (paid also $30 in Special Research)	400 00	
R. J. Baylis	375 00	
C. D. McKeen	375 00	
B. B. Hillary	300 00	
Miss G. S. Taylor (paid also $500 as Clerical Assistant, Botanic Garden, and $210 in Special Research)	270 00	
Technical Assistants:		
R. F. Cain	1,800 00	
Miss M. B. Givens	1,800 00	
Miss C. B. Ross	1,600 00	
A. Simpson, Horticulturist (with living quarters valued @ $360)	2,200 00	
L. Van Cleemput, Gardener	1,550 00	
J. Van Beek, Assistant Gardener	1,450 00	
Clerical Assistants:		
Miss L. Alward	1,400 00	
Miss R. Hobberlin	1,200 00	
Dr. Kathleen L. Hull, Librarian	1,250 00	
P. Krotkov, Herbarium Assistant	1,800 00	
Laboratory Attendants:		
R. Lynn	1,200 00	
S. G. Smith	1,000 00	
		$58,350 00

History

Professors:		
Chester Martin (also Head of Department)	$ 5,500 00	
R. Flenley	4,700 00	
F. H. Underhill (paid also $190 for Extension Work and $25 from University Press)	4,700 00	
G. W. Brown (paid also $410 for Extension Work and $415 from University Press)	4,500 00	
B. Wilkinson, Mediaeval History	4,500 00	
G. deT. Glazebrook, Associate Professor (paid also $150 for Extension Work and $60 from University Press)	3,750 00	
Assistant Professors:		
D. G. Creighton (paid also $150 for Extension Work and $50 from University Press)	2,900 00	
D. J. McDougall (paid also $274 for Extension Work)	2,750 00	
Edgar McInnis (paid also $338 for Extension Work and $3 from University Press)	2,750 00	
R. M. Saunders (paid also $708 for Extension Work)	2,500 00	
N. F. Langford, Assistant, Michaelmas Term	250 00	
G. W. Spragge, Reader (Sessional)	250 00	
R. G. Riddell, Tutorial Assistant (Sessional—without salary)	....	
		$39,050 00

Anthropology

T. F. McIlwraith, Professor	$ 4,500 00	
C. W. M. Hart, Assistant Professor and Supervisor of Studies in Sociology (paid also $200 for Extension Work)	3,100 00	
Lecturers:		
Philleo Nash	2,200 00	
S. D. Clark (paid also $100 for Extension Work and $39 from University Press)	1,800 00	
Class Assistants:		
Mrs. Eleanor R. Long (paid also $200 from Child Research)	300 00	
Miss D. C. Dixon }	300 00	
Miss A. B. Holderman } Sociology	200 00	
		$12,400 00

Archaeology

C. T. Currelly, Professor (part time—paid also in Royal Ontario Museum)	$ 4,500 00	
Rt. Rev. W. C. White, Associate Professor, Chinese Archaeology (part time—paid also in Royal Ontario Museum)	2,500 00	
Homer A. Thompson, Assistant Professor, Classical Archaeology (half time)	2,000 00	
C. P. Chen, Research Assistant, Chinese Archaeology (Sessional—without salary)	....	
		$ 9,000 00

Fine Art

John Alford, Professor (paid $5,000 from Special Fund)	....	
Arthur Lismer, Associate Professor (Sessional—without salary)	....	
Peter Brieger, Assistant Professor	$ 2,500 00	
Lecturers (Sessional—without salary):		
Charles Comfort	....	
F. S. Haines	....	
Peter Haworth, Instructor (Sessional—part time)	400 00	
Miss Edith A. Hudson, Secretary-Librarian (Sessional)	600 00	
		$ 3,500 00

Geography

Griffith Taylor, Professor and Head of Department (paid also $2,500 from Ontario College of Education and $300 for Extension Work)	$ 4,000 00	
S. B. Jones, Lecturer (Sessional—paid also $180 for Extension Work)	2,500 00	
Demonstrators (Sessional):		
D. F. Putnam (paid also $180 for Extension Work)	1,300 00	
Miss M. Brookstone (paid also $180 for Extension Work)	1,100 00	
F. W. Auburn (paid also $75 for Extension Work)	150 00	
D. F. McDonald	150 00	
N. B. McElheran (paid also $75 for Extension Work)	75 00	
Miss F. E. Taylor	75 00	
		$ 9,350 00

Political Economy

Professors:		
H. A. Innis, also Head of Department (paid also $20 from University Press)	$ 4,900 00	
W. T. Jackman, Transportation	4,900 00	
Associate Professors:		
V. W. Bladen, also Supervisor of Studies in Political Economy (paid also $425 from University Press)	4,100 00	
H. R. Kemp (paid also $10 from University Press)	4,100 00	
A. Brady (paid also $100 from University Press)	3,900 00	
R. M. Dawson (paid also $25 from University Press)	3,800 00	
H. A. Logan (paid also $100 from University Press)	3,600 00	
Assistant Professors:		
L. T. Morgan (on leave of absence for Easter Term)	3,700 00	
V. F. Coe (paid also $25 from University Press)	2,700 00	
D. C. MacGregor	2,700 00	
A. F. W. Plumptre	2,700 00	
J. F. Parkinson (paid also $200 for Extension Work)	2,600 00	

C. B. Macpherson, Lecturer (Sessional)	2,100 00	
J. G. Perold, Instructor (Sessional)	1,500 00	
J. H. Aitchison, Assistant (Sessional—paid also $406 for Extension Work)	1,500 00	
Assistants (Sessional—part time):		
I. M. MacKeigan	350 00	
A. S. Abell	250 00	
R. W. James (paid also $50 from University Press)	250 00	
Accounting:		
W. S. Ferguson, Professor (part time)	2,550 00	
C. A. Ashley, Associate Professor, $3,350; Supervisor of Studies in Commerce and Finance, $600	3,950 00	
F. R. Crocombe, Assistant Professor (paid also $200 for Extension Work)	3,450 00	
		$59,600 00

Law

Professors:		
W. P. M. Kennedy, Constitutional Law (paid also $259 from University Press)	$ 5,800 00	
N. A. M. MacKenzie, Public and Private International Law	4,500 00	
F. C. Auld, Roman Law and Jurisprudence (paid also $10 from University Press)	4,200 00	
Jacob Finkelman, Assistant Professor, Administrative and Industrial Law (paid also $200 for Extension Work)	2,700 00	
J. E. M. Hancock, Lecturer (Sessional)	1,700 00	
H. Rubin, Special Lecturer, Comparative Law (Sessional—without salary)	....	
K. G. Gray, Honorary Lecturer (Sessional—without salary; see also Medical Jurisprudence and Psychiatry)	....	
		$18,900 00

Philosophy

Professors:		
G. S. Brett, $6,000, of which $1,000 paid in Ethics (paid also $1,000 as Dean of Graduate Studies and $30 in Ontario College of Education)	$ 5,000 00	
F. H. Anderson	4,600 00	
Associate Professors:		
H. R. MacCallum	4,200 00	
E. W. Macdonald (paid also $776 for Extension Work)	3,300 00	
W. J. McCurdy	3,000 00	
T. A. Goudge, Lecturer (Sessional)	1,700 00	
		$21,800 00

Psychology

Professors:		
E. A. Bott, also Director of Laboratory (paid also $620 for Extension Work)	$ 5,000 00	
W. E. Blatz (part time—paid also $2,500 from Child Research)	2,500 00	
S. N. F. Chant (paid also $400 for Extension Work)	4,200 00	
W. Line, Associate Professor	3,800 00	
Assistant Professors:		
J. D. Ketchum (paid also $420 for Extension Work)	2,900 00	
G. P. Cosgrave (paid also $458 for Extension Work)	2,700 00	
K. S. Bernhardt (part time—paid also $700 from Child Research and $334 for Extension Work)	2,550 00	
C. R. Myers (part time—paid also $300 for Extension Work)	2,300 00	
Special Lecturers:		
K. H. Rogers	300 00	
J. D. M. Griffin } See also	200 00	
G. W. Anderson } Psychiatry	100 00	
Miss M. D. Salter, Instructor (Sessional—paid also $200 for Extension Work)	600 00	
Class Assistants (Sessional):		
G. H. Turner (paid also $300 for Extension Work)	500 00	
Miss N. Loeb (paid also $150 for Extension Work)	400 00	
J. H. Sunley	400 00	
D. C. Williams (paid also $200 for Extension Work)	400 00	

Miss D. A. Millichamp (paid also $1,300 from Child Research)	300 00	
Miss M. L. Northway (paid also $500 from Special Fund)	300 00	
F. J. Tobin	300 00	
J. E. De Wolf	300 00	
Miss E. V. Gifford	200 00	
Miss K. Harvie	200 00	
Readers (Sessional):		
Miss R. Appleby	200 00	
Miss A. L. Harris (paid also $700 from Child Research)	200 00	
G. C. Cooper, Technician	2,300 00	
	$33,150 00	
Less paid by School of Nursing	300 00	
		$32,850 00

Italian and Spanish

Professors:		
M. A. Buchanan	$ 6,000 00	
J. E. Shaw	6,000 00	
Emilio Goggio (paid also $200 for Extension Work)	4,500 00	
Associate Professors:		
G. C. Patterson	3,800 00	
Juan Cano (paid also $200 for Extension Work)	3,800 00	
Instructors (Sessional):		
Miss F. M. Haygarth	1,500 00	
J. H. Parker	1,500 00	
		$27,100 00

(2) Departments in University College ($160,950)

Classics

Gilbert Norwood, Professor, also Director of Classical Studies	$ 6,250 00	
(a) Greek:		
E. T. Owen, Professor	4,700 00	
Associate Professors:		
D. E. Hamilton	4,200 00	
M. D. C. Tait (paid also $498 for Extension Work)	3,600 00	
(b) Latin:		
Professors:		
G. Oswald Smith	5,000 00	
E. A. Dale (paid also $150 for Extension Work)	4,500 00	
(c) Greek and Roman History:		
C. N. Cochrane, Professor (also Dean of Residence with free house, heat and light valued @ $300; on leave of absence)	4,500 00	
Assistant Professors:		
L. A. MacKay (paid also $46 for Extension Work)	3,250 00	
Miss M. C. Needler (paid also $150 for Extension Work)	2,700 00	
		$38,700 00

English

Professors:		
M. W. Wallace (paid also $1,500 as Principal of University College)	$ 6,000 00	
R. S. Knox	4,900 00	
J. F. Macdonald	4,500 00	
E. K. Brown (paid also $200 for Extension Work and $200 from University Press)	4,200 00	
A. S. P. Woodhouse (paid also $200 from University Press)	4,200 00	
W. H. Clawson, Associate Professor (paid also $300 for Extension Work)	3,900 00	
Assistant Professors:		
N. J. Endicott (paid also $420 for Extension Work)	2,900 00	
J. R. MacGillivray (paid also $1,112 for Extension Work and $50 from University Press)	2,800 00	
A. E. Birney, Lecturer (Sessional—paid also $300 for Extension Work)	2,100 00	
		$35,500 00

French

Professors:		
F. C. A. Jeanneret	$ 5,500 00	
J. S. Will (paid also $30 from University Press)	5,000 00	
St. E. de Champ (paid also $200 for Extension Work)	4,500 00	
Associate Professors:		
W. J. McAndrew (paid also $800 as Registrar of University College)	3,700 00	
H. L. Humphreys (paid also $300 for Extension Work)	3,600 00	
Assistant Professors:		
J. G. Andison (paid also $80 for Extension Work)	3,300 00	
R. D. C. Finch	3,250 00	
C. D. Rouillard (paid also $420 for Extension Work)	3,000 00	
Lecturers:		
Miss A. C. Cole (paid also $136 for Extension Work)	2,350 00	
G. L. Assie (paid also $200 for Extension Work)	2,000 00	
J. A. Houpert (paid also $200 for Extension Work)	2,000 00	
Miss I. Balthazard	1,800 00	
Miss M. D. MacDonald (paid also $200 for Extension Work)	1,800 00	
		$41,800 00

German

Barker Fairley, Professor and Head of Department	$ 6,000 00	
Thure Hedman, Associate Professor	4,000 00	
Assistant Professors:		
G. E. Holt	3,450 00	
H. Boeschenstein (paid also $250 for Extension Work)	2,800 00	
Martin Joos, Lecturer (Sessional)	2,000 00	
		$18,250 00

Semitics

Professors:		
W. R. Taylor	$ 5,500 00	
T. J. Meek (paid also $30 from University Press)	5,500 00	
F. V. Winnett, Assistant Professor (on leave of absence for Michaelmas Term)	3,000 00	
W. S. McCullough, Lecturer (Sessional—paid also $35 from University Press)	2,500 00	
M. T. Newby, Fellow (Sessional)	600 00	
		$17,100 00

Ethics

G. S. Brett, Professor (see also Philosophy)	$ 1,000 00	
		$ 1,000 00

University College General

M. W. Wallace, Principal (see also English)	$ 1,500 00	
Miss Marion B. Ferguson, Dean of Women (with living valued @ $400)	2,500 00	
W. J. McAndrew, Registrar (see also French)	800 00	
Miss R. Gregory, Registrar's Assistant	1,050 00	
Miss C. Tocque, Stenographer in University College	1,400 00	
Miss M. Blackburn, Secretary in Registrar's Office	1,350 00	
		$ 8,600 00
		$784,713 92

23. Mathematics

Class room supplies ($98.08):		
American Mathematical Society, dues	$ 25 25	
Office Specialty Mfg. Co., card cabinet	13 25	
University College Registrar, stencils, ink, etc.	34 12	
University Press, printing and stationery	25 46	
Clerical Assistance ($70.55):		
DeLury Barber, 110 hours @ 60c (see also Salaries)	66 30	
University Extension, typing	4 25	
		$ 168 63

24. Applied Mathematics

Class room supplies ($350.90):		
Hirschwaldsche Buchhandlung, stationery	$ 15 39	
Office Specialty Mfg. Co., cabinet	34 00	
Postage	24 00	
Robbins & Townsend, overhauling typewriter, etc.	20 40	

Roneo Co., stencils, ink, etc.	18 31	
Julius Springer, book	10 59	
University Press, printing and stationery	187 77	
Accounts under $10 (8)	39 91	
Superintendent's Dept., labour, 45c; material, 08c	53	
Clerical assistance ($490.00):		
Miss K. Craibbe, 4 weeks	48 00	
Mrs. R. Maunders, 32 weeks, 5 days	394 00	
Donald W. Robertson, 4 weeks	48 00	
		$ 840 90

25. Physics

Laboratory and workshop supplies ($5,317.61):	
A. & A. Radio Service Supply, capacitors	$ 11 74
Aikenhead Hardware, hardware	142 80
Allen Mfg. Co., laundry	32 78
Anaconda American Brass, Ltd., metal	134 57
Baird & Tatlock, thermometers, clips, etc.	101 38
Bakelite Corporation, rod-tubing	15 36
F. E. Becker & Co., charcoal	18 81
Chas. H. Besby & Co., tubing	10 06
W. E. Booth, photo plates	212 93
British Drug Houses, chemicals	23 81
Brown Engineering Corporation, re-babbitting bearings	24 00
Canada Hardware, Ltd., locks	10 25
Canada Metal Co., castings, etc.	71 83
Canada Wire & Cable Co., wire	15 44
Canadian General Electric Co., lamps, etc.	13 59
Canadian Johns-Manville Co., packing, etc.	25 70
Canadian Kodak Co., chemicals, filters, plates, etc.	31 54
Canadian Laboratory Supplies, glassware and chemicals	335 59
Canadian National Carbon Co., carbons	24 46
Canadian Westinghouse Co., rectifier tube	156 80
C. F. Casella & Co., ink and methylated spirits	11 97
Central Scientific Co., chemicals, glassware, tubing, etc.	116 85
Corning Glass Works	40 00
G. Coussons, Ltd., pulleys	63 46
Diamond State Fibre Co., tubing	14 32
Ditto of Canada, carbon sheets	19 26
Dominion Oxygen Co., gas	332 18
Driver-Harris & Co., wire	19 96
Eastman Photographic Stores, plates and chemicals	80 75
T. Eaton Co., baskets, stools and chemicals	91 35
Exide Batteries, batteries	175 09
Fidea Co., stop watch repairs	12 75
Fisher Scientific Co., chemicals	17 94
General Radio Co., resistors, condensors, etc.	22 00
Griffin & Tatlock, thermometers, etc.	171 05
Gutta Percha & Rubber Co., sleeves and tubing	14 77
Adam Hilger, Ltd., prisms, rods, etc.	199 48
Imperial Oil, Ltd., oil	19 16
Instruments Ltd., charts, hygrometers	11 20
Johnson Matthey & Co., gold wire, etc.	14 29
Kimble Glass Co., tubing	109 12
Lake Simcoe Ice & Fuel, Ltd., ice	48 50
Lyman Tube Supply Co., steel balls	14 65
McBain Foundry, castings	37 18
W. R. McKee, electrical repairs	34 45
Masco Co., knife switch	17 00
Matthews, McCutcheon & Co., lamp	18 15
Monarch Belting Co., belting	40 51
H. W. Petrie Co., overhauling lathe	200 00
Thos. Pocklington, paper	14 00
Postage	39 60
Pratt & Whitney, drills, saws, etc.	46 23
W. G. Pye & Co., spirals, log paper, etc.	112 72
J. F. Raw Co., tracing linen, etc.	21 47
Robbins & Townsend, typewriter inspection	12 00
Rolls & Darlington, oil, chemicals, etc.	24 44
Roneo Co., paper, stencils, ink, etc.	39 57

Ryerson Press, rental of sound projector and films	30 00
K. Selmayr, filaments	10 46
Stupakoff Laboratories, filaments	39 74
Arthur H. Thomas Co., burrette	11 41
Toronto Hydro Electric System, current	179 70
S. Tyzack & Sons, screws, and nuts, etc.	13 59
Wholesale Radio Co., radio parts	200 67
J. C. Williams, films	25 50
University Press, printing and stationery	257 65
Accounts under $10 (41)	210 74
Sundry disbursements by department:	
Seminar teas, $27.02; hardware, stationery, etc., $21.40; sundries, $18.60	67 02
Superintendent's Dept., freight, $135.69; labour, $86.42; material, $358.16	580 27
Apparatus ($2,791.56):	
Brown & Sharpe, micrometers, etc.	35 74
Canadian General Electric Co., resistances, lamps, etc.	121 68
G. Cussons, Ltd., trolley apparatus	92 65
Ferranti Electric, Ltd., voltmeter	17 75
General Radio Co., oscillator, etc.	218 67
Griffin & Tatlock, muffler furnaces, etc.	80 05
M. Herold & Sohn, lenses	14 82
Adam Hilger, Ltd., photometer, objective, etc.	1,031 37
G. W. MacFarlane, condenser unit	275 00
Matthews, McCutcheon & Co., screen	37 50
W. G. Pye, stop watch balances	36 26
Weston Electrical Instrument Co., meters, cells, etc.	273 57
Wholesale Radio Co., radio parts	70 00
A. R. Williams Machinery Co., linisher machine	68 00
Zenith Electric Co., resistances	77 93
Accounts under $10 (4)	30 21
Superintendent's Dept., labour, $164.99; material, $145.37	310 36
Experimental Tables, cases, books, charts, fittings, etc. ($783.74):	
American Institute of Physics, reprints	121 34
Engineering, subscription	13 94
Macmillan & Co., subscription	13 58
University Press, printing and stationery	51 95
Accounts under $10 (6)	30 31
Superintendent's Dept., labour, $321.55; material, $231.07	552 62
Laboratory and workshop assistance $1,444.50):	
J. Love, 43 weeks, 4 days (see also Salaries)	393 00
J. Reid, 41 weeks, 2 days (see also Salaries)	372 00
R. Hipgrave, 40½ weeks	364 50
A. Prebus, 5 weeks	125 00
Jas. Hillier, 4 weeks (see also Salaries)	120 00
W. M. Gray, 4 weeks	70 00
Special Laboratory alterations and replacements:	
Superintendent's Dept., labour, $481.41; material, $491.10	972 51
Geophysical Surveys ($3,046.48):	
Bark & Mortimer, special insurance on instruments	51 69
Central Scientific Co., rheostat	17 64
Adam Hilger, objective	174 64
Tordoff Electric Co., generator	38 00
Toronto Hydro Electric System, replacing transformer structure	308 75
Victoria College, residence dues of tutor relieving Dr. A. Brant absent on research expedition	90 00
Travelling expenses of Dr. Brant's expedition in Northern Ontario	1,537 71
Honoraria for extra services:	
J. M. Anderson	100 00
E. Cohen	100 00
A. Pitt	100 00
Research assistance:	
M. F. Crawford	200 00
R. Richmond	100 00
D. W. R. McKinley	60 00
A. Prebus	50 00
Superintendent's Dept., freight, $100.42; material, $17.63	118 05
	$14,356 40

Less credits: Department of Mines, $150; Steerola Exploration Co., $65.56; Mellon Institute $5	$ 220 56		
Laboratory deposits, $720.30; sale of material, $36	756 30		
Charged to Sir John McLennan Fund	2,825 92		
		3,802 78	
			$10,553 62

26. Astronomy

At University:		
Supplies ($255.79):		
Bausch & Lomb Optical Co., glass	$ 16 07	
Canadian General Electric Co., bulbs, transformer, etc.	24 28	
Canadian Scientific Co., rheostat	17 01	
Corning Glass Works, telescope blank	23 89	
S. S. White Dental Mfg. Co., resistors	10 79	
University Press, printing and stationery	24 81	
Accounts under $10 (5)	16 58	
Sundry disbursements by department:		
Express, postage, stationery, etc., $14.41; hardware, $8.15; sundries, $7.44	30 00	
Superintendent's Dept., freight, $18.61; material, $73.75	92 36	
At Observatory:		
Supplies and apparatus ($1,684.97):		
Aluminum Co. of Canada, plates	145 60	
Bausch & Lomb Optical Co., prisms, etc.	16 65	
W. E. Booth Co., plates and films	112 43	
F. Y. W. Brathwaite, hardware	11 48	
Eastman Photographic Stores, plates, bulbs, and chemicals	18 50	
Evaporated Metal Films Corporation, mirror coated	24 37	
J. W. Fecker, lens	126 00	
J. F. Hartz Co., acids, etc.	23 75	
Johns Hopkins University, plane grating	501 94	
Ilford, Ltd., plates	11 06	
Lockhart's Camera Exchange, developing tank, plate holders, etc.	46 66	
McBain Foundry, casting	13 91	
Office Specialty Mfg. Co., shelving	154 50	
H. W. Petrie, pulleys, etc.	19 30	
Postage	20 00	
Robbins & Myers Co., motor	21 00	
Ryerson Press, galvanometer	241 65	
Sheppard & Gill Lumber Co., lumber	68 12	
University Press, printing and stationery	25 79	
Accounts under $10 (13)	50 32	
Prof. R. K. Young, sundry expenses re taking mirror to Ithaca to be re-coated	30 94	
Library, including binding and mending $684.91):		
Astrophysical Journal, subscription	10 55	
F. A. Brockhaus, books	20 91	
Hirschwaldshe Buchhandlung, books	34 63	
MacMillan Co., subscriptions	21 16	
N. V. Martinus Nijhoffs, journals	12 13	
Royal Astronomical Society, reprints	50 00	
University Press, printing and stationery	473 82	
Accounts under $10 (11)	61 71	
Travelling allowances ($300.00):		
J. F. Heard	80 00	
F. S. Hogg	80 00	
P. M. Millman	80 00	
Miss R. J. Northcott	60 00	
Attendants and incidentals ($99.14):		
T. Mackenzie, caretaker's overtime services	57 50	
Wm. Spence, Constable's overtime services	6 00	
University Press, postcards	35 64	
	$ 3,024 81	
Less door receipts	132 30	
		$ 2,892 51

27. Geology

Maintenance and equipment $966.45):		
Bausch & Lomb Optical Co., balopticon, microscope, etc.	$ 247 94	
Central Scientific Co., spectroscope, tubing, glassware, etc.	58 68	
Miss P. Foreman, typewriting, etc.	10 00	
Geo. M. Hendry Co., globe, duplicator, etc.	38 93	
Prof. G. B. Langford, reimbursement of amount paid for book shelves	48 13	
John Ledingham, drawing graphs, 32½ hours	32 50	
Photographic Service, prints and slides	93 08	
Postage	29 00	
J. T. Rooney, immersion media	28 56	
Ward's Natural Science Establishment, specimens	48 30	
G. S. Wilson, draughting, 50 hours	25 00	
University Press, printing and stationery	38 80	
Accounts under $10 (15)	63 56	
Sundry disbursements by department	10 35	
Superintendent's Dept., freight, $11.04; labour, $110.29; material, $72.29	193 62	
Summer field work, travelling expenses, etc. ($484.75):		
Art Metropole, traverse table, tripod, etc.	39 75	
G. P. Cameron, travelling expenses	34 65	
Instruments Ltd., steel tape, transit repairs, etc.	33 00	
Prof. E. S. Moore, honorarium, $100; expenses, $7.08	107 08	
V. J. Okulitch, honorarium, $50; expenses, $16.39	66 39	
Thos. Pocklington, compass level, compass, etc.	80 25	
Prof. L. S. Russell, travelling expenses	123 63	
	$ 1,451 20	
Less credit for sale of material	2 50	
		$ 1,448 70

28. Mineralogy

Maintenance and equipment ($1,344.60):	
E. Britnell, lockers	$ 54 00
Canadian Laboratory Supplies, glassware, chemicals, etc.	168 03
Central Scientific Co., crucibles, glassware, chemicals, etc.	84 73
Miss H. Dalton, clerical assistance, 27½ hours	13 75
Eastman Photographic Stores, films and chemicals	14 02
Fisher Scientific Co., weights, burrettes, etc.	78 94
French Ivory Products, transparent sheeting	32 40
Ingram & Bell, needles, bottles and chemicals	16 07
Johnson, Matthey & Co., platinum wire	42 76
Liquid Carbonic Corporation, regulator and gauge	13 63
Nichols Chemical Co., acids	16 42
Photographic Service, slides, prints, etc.	24 91
Thos. Pocklington Co., overhauling balances	15 00
Spencer Lens Co., illuminators	42 69
Ward's Natural Science Establishment, specimens and chemicals, etc.	338 15
University Press, printing and stationery	145 80
Accounts under $10 (13)	67 00
Sundry disbursements by Department:	
Hardware, $14.05; stationery, etc., $6.77	20 82
Superintendent's Dept., freight, $22.99; labour, $64.52; material, $67.97	155 48
Special X-Ray Equipment ($1,659.63):	
American Instrument Co., cylinders	21 50
Art Metropole, compasses, angles, etc.	52 98
Baird Associates, X-Ray camera	112 18
Bausch & Lomb Optical Co., microscopes	196 68
Burke Electric & X-Ray Co., valves, transformer, voltmeter, etc.	250 58
Central Scientific Co., rheostat switch, etc.	19 74
A. S. Hunt, glass-blowing, etc.	13 00
Instrument's Ltd., drafting sets	30 30
Moloney Electric Co., transformer with auxiliary equipment	534 60

A. Owen, machine work	50 50	
Robbins & Myers Co., motor	12 00	
Ward's Natural Science Establishment, immersion media	139 81	
Zenith Electric Co., resistance	18 83	
Accounts under $10 (9)	41 63	
Superintendent's Dept., labour, $98.34; material, $66.96	165 30	
Alterations, partitions and repairs:		
Superintendent's Dept., labour, $326.86; material, $120.14	447 00	
	$ 3,451 23	
Less credits: Laboratory deposits, $156.95; sale of material, $40.30	197 25	
		$ 3,253 98

29. Chemistry

Maintenance:

Chemistry:

Chemicals, glassware, apparatus, etc. ($10,331.79):

American Institute of Physics, reprints	$ 52 06
Barrett Co., chemicals	21 28
Belle Ewart Ice & Fuel Co., ice	10 80
Bender & Hobein, manometers	24 76
W. E. Booth Co., photo plates	20 37
British Drug Houses, chemicals	521 39
Butler Optical Co., goggles	10 28
Canadian General Electric Co., lamp	17 46
Canadian Industries, acids	258 08
Canadian Kodak Co., chemicals	257 99
Canadian Laboratory Supplies, chemicals, glassware, etc.	1,785 63
Canadian Liquid Air Co., rental of cylinders and gas	30 03
Central Scientific Co., glassware, etc.	2,411 77
R. H. Chappell, glass blowing	300 25
Distillation Products Inc., chemicals	13 82
Eastern Engineering Co., pump	19 53
T. Eaton Co., books, table, etc.	12 65
Eck & Krebs, glassware	68 12
Fisk-Schurman Corporation, filters	76 57
Gooderham & Worts, alcohol	176 75
Hoke Inc., regulators, etc.	43 63
Imperial Oil, Ltd., oil	30 59
Ingram & Bell, thermometers, etc.	690 80
Johnson Matthey & Co., silver dishes, platinum, etc.	238 14
W. H. Kubbinga, machine work	61 36
Leeds & Northrup, thermometer, chemicals, etc.	127 31
Charles Le Roy, racks	145 00
Mack Printing Co., reprints	41 90
Mallinckrodt Chemical Works, chemicals	37 13
Merck & Co., chemicals, etc.	124 15
National Drug & Chemical Co., chemicals	69 19
Nichols Chemical Co., ammonia	130 94
Ohio Chemical & Mfg. Co., chemicals	16 93
Ontario Cork Co., corks	21 27
Peckover's Ltd., wire	21 12
Postage	36 00
Richards Chemical Works, chemicals	11 72
Theodor Schuchart, chemicals	27 76
Standard Chemical Co., acetone	92 80
Stephens Sales Ltd., overhauling duplicator, stencil paper, etc.	353 60
Synthetic Drug Co., bottles	36 00
Textile Products, towels	106 64
Thermos Bottle Co., jar	11 08
Viking Distributing Co., chemicals	22 45
Wall Chemicals, Ltd., oxygen	51 37
C. W. Waybrant, couples, etc.	13 00
Williams & Wilson, furnace units, etc.	180 89
Wilson Scientific Co., pump, etc.	73 50

University Press, printing and stationery	566 84	
Accounts under $10 (30)	152 13	
Sundry disbursements by department:		
Hardware, etc., $47.24; telegrams, express, and stationery, etc., $28.55; sundries, $46.12	121 91	
Superintendent's Dept., freight, $77.69; labour, $186.09; material, $321.27	585.05	
Repairs and renewals ($415.32):		
M. Wayman, motor repairs	4 00	
Superintendent's Dept., labour, $321.37; material, $89.95	411 32	
Clerical assistance ($173.56):		
Miss E. D. Brunke, 113½ hours	85 11	
H. S. Funnell, 140½ hours	51.98	
W. Banton, 71 hours	24 85	
Miss M. Storey, 10½ hours	7 87	
Miss M. Sedgwick, 5 hours	3 75	
	$10,920 67	
Less credits: Laboratory deposits, $4,328.45; sale of material, $99.36; assays, gas tax, etc., $64.05	4,491 86	
		$ 6,428 81
Physical Chemistry:		
Supplies, chemicals, etc.:		
Canadian Laboratory supplies, charts, etc.	$ 7 11	
Adam Hilger, polarimeter, tubes, lamp, etc.	641 91	
Superintendent's Dept., freight	34 59	
		$ 683 61
Electro-Chemistry:		
Supplies ($1,509.64):		
American Institute of Physics, reprints	$ 13 88	
Belle Ewart Ice & Fuel Co., ice	15 20	
W. E. Booth Co., photo plates	11 28	
British American Oil Co.	11 29	
Canadian Industries, acid containers	84 57	
Canadian Laboratory Supplies, chemicals	16 19	
G. P. Dowe Co., wire	14 10	
General Radio Co., resistors	12 33	
G. A. Hardie & Co., wipers	26 10	
Liquid Carbonic Corporation, dry ice	62 50	
Merck & Co., chemicals	311 10	
McBain Foundry, weights	16 09	
Ontario Cork Co., corks	98 22	
Ontario Rubber Co., tubing	129 88	
Photographic Service, slides, etc.	10 45	
Radio Trade Supply Co., radio parts	93 27	
Richardson, Bond & Wright, Ltd., paper	57 51	
Shawinigan Chemical Ltd., chemicals	57 97	
Textile Products, towels	99 76	
Toronto Hydro-Electric System, oxygen	10 90	
Wall Chemicals, Ltd., oxygen	22 50	
University Press, printing and stationery	130 14	
Accounts under $10 (15)	71 86	
Sundry disbursements my department	19 76	
Superintendent's Dept., labour, $9.08; material, $103.71	112 79	
Apparatus ($958.15):		
Aikenhead Hardware, Ltd., hardware	31 90	
Baker Platinum of Canada, electrodes	50 64	
Canada Batteries, Ltd., batteries	155 24	
Canadian Laboratory Supplies, rheostats	67 15	
Central Scientific Co., galvanometer, etc.	105 84	
R. H. Chappell, glass blowing	48 80	
Conn Engineering Co., electric furnace	24 01	
Fisher Scientific Co., plug-easier	16 66	
General Radio Co., resistance box	45 31	
W. H. Kubbinga, machine work	146 60	
Chas. J. Le Roy, cells	15 00	
W. R. McKee, electrical repairs	43 55	

Tamworth Associates, Inc., distilling apparatus, etc.	38 07	
Thermos Bottle Co., jar	18 42	
Weston Electrical Instrument Co., meter	12 75	
Williams & Wilson, Ltd., furnace door	48 04	
Accounts under $10 (7)	27 17	
Superintendent's Dept., labour, $50.10; material, $12.90	63 00	
		$ 2,467 79
Organic Chemistry Research:		
Supplies, apparatus and equipment:		
Allen Mfg. Co., laundry	$ 23 13	
Baker Platinum Co., platinum, chloride	52 50	
British Drug Houses, chemicals	290 12	
Canadian Kodak Co., chemicals	38 67	
Canadian Laboratory Supplies, glassware, etc.	116 72	
Central Scientific Co., glassware, chemicals, etc.	570 88	
R. H. Chappell, glass blowing	47 00	
General Biological Supply House, specimens	15 74	
Grand & Toy, cabinet, folders, etc.	49 00	
O. W. Herzberg, chemicals	50 17	
E. Hookway Glass Works, glassware, etc.	38 00	
Instruments Ltd., chainometer, burners, etc.	415 80	
Journal of Biological Chemistry, reprints	14 98	
Fritz Linke, ultracentrifuge and stroboscope	1,014 78	
Merck & Co., ether	17 13	
St. Lawrence Chemical Co., acids	84 17	
Standard Chemical Co., acetone	36 75	
C. H. Taylor, cylinder, etc.	245 22	
S. S. White Co., hydrogen, etc.	27 98	
Accounts under $10 (6)	41 04	
Sundry disbursements by department:		
Dry ice, $12.30; stationery, postage, etc., $12.49; sundries, $4.91	29 70	
Superintendent's Dept., labour, $259.96; material, $930.94	1,190 90	
		$ 4,410 38
		$13,990 59

30. Biology.

Laboratory and lecture room supplies, museum specimens, supplies and catalogue ($5,531.75):		
Aikenhead Hardware, Ltd., hardware	108 94	
Allen Mfg. Co., laundry	57 16	
American Instrument Co., manometer	15 74	
Associated Screen News Ltd., rental of films	104 00	
Bausch & Lomb Optical Co., micrometer discs	27 78	
Biological Abstracts, subscription	50 61	
Biological Supply Co., specimens	16 69	
W. E. Booth Co., photo plates	10 86	
British Drug Houses, dextrose and chemicals	28 78	
J. F. Burns & Co., frogs	76 95	
Canadian General Electric Co., lamps, switches, etc.	35 29	
Canadian Laboratory Supplies, glassware, etc.	139 77	
Walter A. Carveth & Co., miscroscope repairs etc.	443 25	
Central Scientific Co., apparatus, glassware, chemicals, etc.	813 58	
Corbett-Cowley, Ltd., laboratory coats	81 00	
Dominion Glass Co., glassware	79 88	
Eastman Photographic Stores, chemicals, etc.	15 75	
T. Eaton Co., pens, batting, gelatine, etc.	15 71	
C. Emmett, animals	260 20	
J. A. Fontaine, frogs	21 00	
Freyseng Cork Co., corks	28 46	
Genera Insectorum, subscription	47 94	
General Biological Supply House, charts, sheets, specimens, etc.	65 38	
D. Gestetner Ltd., stencils, and ink	101 12	
Gevaert Co., plates, paper, etc.	80 52	
Dr. D. H. Hamly, micro. lamps	44 00	
J. F. Hartz Co., glassware, slides and chemicals	206 50	
Hazel-Atlas Glass Co., jars	40 32	
Herback & Rademan, Inc., meters, counters, etc.	12 73	
Holliday Flint Glass Works	41 30	

Ingram & Bell, syringe, stain, etc.	11 38	
Keenan Woodenware Mfg. Co., tubs, etc.	10 08	
W. J. LeRay, travelling and collecting expenses	50 00	
Lever Bros., glycerine	59 18	
Lowe-Martin Co., cards	10 26	
Jos. McDowell & Co., calculator and machine inspection	200 00	
Mallinckrodt Chemical Works, mercury, specimens, etc.	49 00	
Marine Biological Laboratories, manometers, etc.	115 23	
Medicine Hat Pottery Co., crocks	14 52	
Merck & Co., chemicals	18 33	
Murphy's Drug Store, films, etc.	129 39	
Postage	12 00	
Royal Ontario Museum, handbooks	10 50	
J. H. Ryan, book binding	62 75	
Ryerson Press, binding cloth, etc.	15 06	
Standard Chemical Works, formaldehyde	23 18	
Stephens Sales, Ltd., paper and coupons	109 39	
Waverley Press, Inc., reprints	10 80	
Wholesale Radio Co., radio parts	81 90	
Wilson Scientific Co., cover slip	15 88	
Wistar Institute of Anatomy & Biology, reprints	24 63	
University Library, pamphlet boxes	24 36	
University Press, printing and stationery	301 05	
Accounts under $10 (43)	200 28	
Sundry disbursements by Department:		
Animals, fruit and vegetables, $61.34; gasoline and hardware, $45.10; stationery, telegrams, drugs, etc., $44.04; sundries, $16.63	167 11	
Superintendent's Dept., freight, $106.31; labour, $123.49; material, $504.48	734 28	
Marine laboratories, collection:		
W. J. LeRay	50 00	
Furnishings, fittings and new equipment ($1,481.99):		
Bay Salvage Co., desks and cabinets	122 50	
Central Scientific Co., fan	23 52	
Matthews, McCutcheon & Co., auditorium speaker, $459.25 (one-half paid by Department of Botany	229 63	
Office Specialty Mfg. Co., shelving	44 00	
Superintendent's Dept., labour, $673.01; material, $389.33	1,062 34	
Messenger Service:		
Arthur Jeffreys, 37½ weeks	300 00	
Incidentals ($465.33):		
Dominion of Canada General Insurance Co., insurance on camera	10 00	
Postage	74 50	
Robbins & Townsend, typewriter inspection	26 20	
University Press, printing and stationery	305 82	
Accounts under $10 (8)	33 81	
Sundry disbursements by department	15 00	
	$7,829 07	
Less credits: Laboratory deposits, $968.08; sale of material, $183.90	1,151 98	
		$6,677 09

31. Botany.

Laboratory and office supplies, labour, etc. ($3,568.76):	
Allen Mfg. Co., laundry	$22 77
L. W. Anderson, satine	18 45
Art Metropole, bulbs, etc.	12 25
N. W. Bannan, specimens	53 75
W. E. Booth Co., photographic service	30 29
British Drug Houses, chemicals	11 58
Brown Bros., folders	99 74
California Botanical Materials Co., slides	38 44
Canada Decalcomania Co., transfers and numerals	55 62
Canadian Johns-Manville Co., felt	16 66
Canadian Laboratory Supplies, glassware, chemicals, etc.	86 31

Canadian Liquid Air Co., gas and rental of cylinders	31 57
Canadian Pad & Paper Co., paper	18 78
Cental Scientific Co., chemicals, glassware, etc.	265 55
Mrs. A. Chilton, laundry	10 76
Defender Photo Supply Co., films	18 94
Eastman Photographic Stores, films, binders, colours, etc.	88 00
Fisher Scientific Co., tissue mats, corks, tubing, etc.	35 37
Gevaert Co., lantern plates	30 56
Dr. W. T. Gordon, fossil specimens	24 92
Grand & Toy, folders, paper, etc.	111 20
J. Halden & Co., stencils	15 39
Fred W. Halls, paper	63 13
J. F. Hartz Co., slide boxes, cover glasses, etc.	35 60
D. S. Hull, laboratory assistance, 1, 183 hours	473 20
Johnson & Johnson, cotton	19 31
Mallinckrodt Chemical Works, chemicals	66 56
Marine Biological Laboratory, specimens	21 53
Masco Co., shades	27 71
Merck & Co., chemicals	20 56
Mimeograph Co., stencil paper, etc.	45 63
Nichols Chemical Co., acids	17 41
Parisian Laundry Co., laundry	83 45
Photographic Service, prints	12 25
Postage	75 00
Norman W. Radforth, specimens	50 25
Richards Glass Co., bottles, etc.	30 63
Robbins & Townsend, typewriter inspection	19 85
R. C. Russell, specimens	17 94
Carl Schleicher & Schull Co., paper	21 29
Telfer Paper Box Co., filing cases	75 60
Triarch Botanical Products, slides	19 33
Edw. Wecke & Co., razors	171 15
Wilson Scientific Co., glassware	32 33
University Press, printing and stationery	432 97
Accounts under $10 (18)	88 68
Travelling expenses, members of staff:	
T. M. C. Taylor	75 28
H. S. Jackson	26 20
R. B. Thomson	14 05
Miss E. M. Hull	13 20
Miss K. L. Hull	11 20
Sundry disbursements by department:	
Drugs and stationery, $18.07; hardware and supplies, 18.99; telegrams, express, etc. $35.58; sundries, $14.02	86 66
Superintendent's Dept., freight, $63.26; labour, $91.04; material, $169.61	323 91
Herbaria, Bear Island Laboratory:	
Cases, labour, supplies, etc. ($847.61):	
F. R. Cain, collecting expenses	73 95
H. S. Jackson, travelling expenses	12 90
Ethel H. Looff, specimens	27 25
Office Specialty Mfg. Co., files and cases	479 00
Provincial Treasurer, rental of Bear Island lot	10 00
R. C. Russell, specimens	12 95
H. Sydow, specimens	59 01
L. E. Taylor, plant specimens	100 00
P. Train, specimens	50 38
Accounts under $10 (4)	22 17
Botanic Gardens and Greenhouse supplies and labour ($1,637.12)	
Assistant Gardeners:	
W. M. C. Chilton, 2,200 hours	698 40
A. Simpson, 98½ hours, $29.55; travelling expenses, $40.10	69 65
Canada Metal Co., labels, dies, etc.	22 86
Jas. Calhoun, removing brush and cultivating ground at Sunnybrook Farm	22 10
Hockes Edge Gardens, specimens	19 55
S. S. Kresge Co., bowls	20 50
Alex McKay Co., sand	12 98
Medicine Hat Pottery Co., pots and pans	52 05

Ocean Chemicals, Ltd., fumigating	26 50	
Miss G. S. Taylor, clerical assistance, 9 mos.	500 00	
Ed. Webb & Sons, bulbs, bonemeal, etc.	23 90	
Accounts under $10 (9)	34 93	
Sundry disbursements by department: Hardware, $5.89; plants and seeds, $14.31; supplies, $5.20; sundries, $6.80	32 20	
Superintendent's Dept., labour, $59.52; material, $41.98	101 50	
Apparatus and equipment ($1,265.15):		
Central Scientific Co., hot plate and water bath	91 63	
Engineering Society, drawing board, drafting instruments, etc.	15 35	
Dr. D. H. Hamly, micro lamps	100 00	
J. S. Lawson, model of specimen	25 00	
Matthews, McCutcheon & Co., one half of cost of auditorium speaker (balance paid by Dept. of Biology)	229 62	
Medicine Hat Potteries, pots	71 29	
Office Specialty Mfg. Co., filing cases, shelves, etc.	409 85	
J. H. Ryan	80 00	
Superintendent's Dept., labour, $150.24; material, $92.17	242 41	
	$7,318 64	
Less credits: Laboratory deposits, $524.53; sale of material, $84.89	609 42	
		$6,709 22

32. History.

Class room supplies ($181.06):		
Grand & Toy, filing cabinet	$34 00	
G. M. Hendry Co., map	22 64	
Postage	20 00	
University Press, printing and stationery	85 18	
Accounts under $10 (4)	15 63	
Superintendent's Dept., labour, $2.84; material, .77	3 61	
Secretarial Assistant:		
Miss F. Hahn, 9 mos.	900 00	
		$1,081 06

33. Anthropology.

Class room supplies:		
Photographic Service, lantern service	$5 00	
University Press	27 34	
		$32 34

34. Archaeology.

Class room supplies:		
W. F. Moore, slides, etc.	$25 80	
Photographic Service, slides, prints, etc.	324 05	
United Church Publishing House, slides	32 00	
University of London, slides	10 04	
Accounts under $10 (2)	13 47	
		$405 36

35. Fine Art.

Equipment ($225.48):		
Art Metropole, easels	$25 00	
Mellors Fine Arts, Ltd., mounts	101 92	
Reeves & Sons, lay figures	6 50	
Robert Simpson Co., chairs	15 60	
Superintendent's Dept., labour, $58.31; material, $18.15	76 46	
Slides, journals and stationery, use of lantern and operators ($685.67):		
Artists Supply Co., paper drawing books, etc.	64 62	
Art Metropole, colours, brushes, etc.	54 00	
Museum of Modern Art, membership	10 24	
Photographic Service, lantern service and slides	406 78	
Robbins & Townsend, typewriter inspection	13 60	
United Church Publishing House, slides	37 75	
University Press, printing and stationery	18 91	
Accounts under $10 (5)	19 58	
Sundry disbursements by Department: Models, $43.00; stationery, drugs, etc., $5.50; sundries, $6.60	55 10	
Superintendent's Dept., labour, $4.90; material, .19c	5 09	

Books, pictures, etc. ($360.46):		
Mellors Fine Arts, Ltd., prints, frames, etc.	226 75	
Photographic Service, mounts	16 18	
Norman Reid, mounting prints	38 75	
University Press, printing and stationery	70 51	
Accounts under $10 (2)	8 27	
	$1,271 61	
Less charged to J. W. L. Forster Fund	360 46	
		$911 15

36. Geography.

Maintenance ($368.67):		
American Geographical Society, books and publications	$10 77	
Grand & Toy, folders, cards, etc.	15 40	
Mimeograph Co., stencil paper, ink, etc.	22 89	
Photographic Service, slides	62 91	
Charles Potter, slide covers, etc.	11 50	
University Press, printing and stationery	145 79	
Accounts under $10 (15)	55 99	
Sundry disbursements by department:		
Stationery, $17.09; hardware, $12.70; sundries, $11.94	41 73	
Superintendent's Dept., labour, .67c; material, $1.02	1 69	
Apparatus and furniture ($522.60):		
J. Anderson, planimeters	12 50	
Art Metropole, divides	12 00	
Grand & Toy, cabinets, cases, etc.	55 50	
Geo. M. Hendry Co., globes	12 16	
Office Specialty Mfg. Co., desk	29 20	
Geo. Philip & Son, map protecting apparatus, globe, etc.	104 06	
Thos. Pocklington Co., levels	29 00	
Robert Simpson Co., chairs and tables	159 90	
University Press, books	62 94	
Accounts under $10 (4)	14 29	
Superintendent's Dept., labour, $21.14; material, $9.91	31 05	
		$891 27

37. Political Economy.

Office and class room supplies ($735.73):		
Jos. McDowell & Co., calculator inspection	$28 00	
Postage	170 25	
Robbins & Townsend, typewriter inspection	18 70	
Roneo Co., duplicator and stencils	195 07	
Stephens Sales Ltd., paper and stencils	62 42	
University Press, printing and stationery	210 75	
Accounts under $10 (10)	35 26	
Sundry disbursements by Dept.	15 22	
Superintendent's Dept., material	06	
Clerical assistance ($1,847.50):		
Miss E. Leitch, 10 mos.	1,000 00	
Miss J. I. Hornell, 9 mos.	500 00	
Miss G. N. Turnbull, 33 weeks, 5 days	304 50	
Miss H. Wallace, 86 hours	43 00	
		$2,583 23

38. Law.

Office and class room supplies:		
Postage	$94 10	
University Press	98 94	
		$193 04

39. Philosophy.

Supplies, clerical assistance, etc.		
Miss H. Des Brisay, clerical assistance, 194½ hours	$97 50	
Photographic Service, slides and lantern service	4 00	
University Press, printing and stationery	17 42	
		$118 92

40. Psychology.

Supplies ($1,400.83):		
Agfa Ansco, Ltd., films	$11 71	
Thos. A. Edison of Canada, ediphone repairs	23 98	
W. J. Gage & Co., books	24 39	

General Films Ltd., mats and lamps	10 45	
D. Gestetner Ltd., ink and stencils	147 11	
J. F. Hartz Co., dynamoters	18 00	
Maple Leaf Milling Co., feed	12 95	
Postage	57 00	
Psychological Corporation, tests	96 69	
Robbins & Townsend, typewriter inspection	23 30	
John B. Smith & Sons, lumber	77 73	
World Book Co., books	56 40	
University Press, printing and stationery	430 08	
Accounts under $10 (22)	137 41	
Sundry disbursements by department:		
Hardware, $15.56; stationery, $17.71; sundries, $16.73	50 00	
Superintendent's Dept., labour, $12.30; material, $211.33	223 63	
Apparatus and equipment ($572.38):		
Aikenhead Hardware Ltd., hardware	10 71	
Brown Bros., stapler & staples	10 50	
R. C. Bush, stop watch and chronograph repairs	21 50	
Canadian General Electric Co., motor	11 76	
Canadian Kodak Co., model and timer	10 00	
Central Scientific Co., spectroscope, rheostat, etc.	81 26	
Adelbert Ford, film	30 26	
General Films, Ltd., projector lantern	50 00	
Houghton Mifflin Co., record tests	49 56	
Johnson Office Furniture Co., desk	18 00	
Master Electric Co., motor	35 65	
Miss D. Millichamp, used typewriter	10 00	
Queen City Brass Foundry, castings	23 25	
C. H. Stoelting Co., scale	26 35	
University Press, printing and stationery	14 62	
Accounts under $10 (5)	30 10	
Superintendent's Dept., labour, $60.25; materials, $78.61	138 86	
Clerical assistance:		
Mrs. W. Musson, 12 mos.	1,050 00	
Laboratory attendance ($1,550.):		
Miss D. D. Hearn, 12 mos.	1,150 00	
Miss G. Evans, 12 mos.	400 00	
Laboratory cleaning ($72.56):		
A. Welsh	51 00	
Superintendent's Dept., labour	21 56	
		$4,645 77

41. Italian and Spanish.

Class room supplies and clerical assistance:		
Miss E. Rugg, 297 hours	$207 90	
University Press, printing and stationery	21 38	
		$229 28

42. University College Departments.

Class room supplies:	
Classics ($199.41):	
Denoyer-Geppert Co., map	$10 45
Photographic Service, slides	18 00
Miss C. E. Stubbs, typing	80 00
Accounts under $10 (4)	12 77
University Press, printing and stationery	78 19
English:	
University Press, printing and stationery	16 52
French ($131.99):	
Clarke, Irwin & Co., text books	12 50
Librairie Garneau, books	33 20
G. E. Stechert & Co., books	18 63
University Press, text books	64 15
Accounts under $10 (2)	3 51
German ($70.49):	
University Press, printing and stationery	56 17
Accounts under $10 (2)	12 36
Superintendent's Dept., labour, $1.88; material, .08c	1 96

Semitics ($39.38):		
University Press, printing and stationery	32 96	
Accounts under $10 (3)	6 42	
		$457 79

43. University College General Expenses

Office supplies, stationery, printing and incidentals ($712.47):		
D. Gestetner, stencils, ink, paper, etc.	$174 16	
Herbert J. Nott, photographs	34 00	
Postage	170 00	
Robbins & Townsend, typewriter inspection	12 40	
University Press, printing and stationery	283 51	
Accounts under $10 (7)	36 90	
Superintendent's Dept., labour	1 50	
Messenger service ($448.54):		
C. Collinson, 42 weeks, 5 days and overtime $2.00	441 04	
W. J. R. Crosby, 15 hours	7 50	
Sundry expenses of the Principal ($122.00):		
Robert Simpson Company, First Year Reception and Scholarship Tea	116 00	
Accounts under $10 (2)	6 00	
	$1,283 01	
Less credit from sale of material	34 12	
		$1,248 89

44. University College Building.

Heat and light		$5,698 29	
Gas, $106.29; water, $144.55		250 84	
Caretaker's supplies:			
Superintendent's Dept., material		577 16	
Cleaning ($5,217.75):			
Acme Window Cleaning Co.		45 00	
Allen Mfg. Co., laundry		34 73	
Butterfield Window Cleaning Co.		8 90	
Superintendent's Dept., labour		5,129 12	
Repairs and renewals ($5,739.12):			
Wm. Bartlett & Son, shades		11 67	
C. A. Dunham Co., feed pump		895 46	
W. E. Routery, plaster repairs		3 50	
Superintendent's Dept., labour, $3,764.77, material, $1,063.72		4,828 49	
Caretaker, W. J. Scott, 12 mos. (and overtime, $199.00)		1,500 00	
		$18,983 16	
Less heat and light charged to Central Power Plant	$5,698 29		
Sundry credits, repairs, $296.33; cleaning, $404.25; supplies $101.95	802 53		
		$6,500 82	
			$12,482 34

45. McLennan Laboratory (Physics).

Heat and light	$5,689 63
Gas, $179.71; water, $285.86	465 57
Caretaker's supplies:	
Superintendent's Dept., material	148 47
Cleaning ($1,507.48):	
Acme Window Cleaning Co.	34 00
Allen Mfg. Co., laundry	10 44
Superintendent's Dept., labour	1,463 04
Repairs and renewals, ($2,331.49):	
Wm. Bartlett & Son, shades	11 03
Canadian Powers Regulators Co., regulator	66 00
City Treasurer, elevator license	5 00
Johnson Temperature Regulating Co., heating system repairs	17 45
Superintendent's Dept., labour, $1,570.67; material, $661.34	2,232 01

Caretaker, H. Hill, 12 mos. (and overtime, $5.00)		1,500 00	
		$11,642 64	
Less heat and light charged to Central Power Plant	$5,689 63		
Credit for Cleaning	22 00		
		$5,711 63	
			$5,931 01

46. Chemical Building.

Heat and light		$2,974 50	
Gas, $404.19; water, $622.59		1,026 78	
Caretaker's supplies:			
Superintendent's Dept., material		147 38	
Cleaning ($1,743.36):			
Acme Window Cleaning Co.		14 00	
Allen Mfg. Co., laundry		20 96	
Superintendent's Dept., labour		1,708 40	
Repairs and renewals ($1,240.19):			
Wm. Bartlett & Son, shades		13 46	
Accounts under $10 (2)		5 53	
Superintendent's Dept., labour, $754.24; material, $466.96		1,221 20	
Caretaker (paid as laboratory assistant with rooms, heat and light valued at $420, chargeable against building and included in above)		....	
		$7,132 21	
Less heat and light charged to Central Power Plant	$2,974 50		
Credit for cleaning	6 00		
		$2,980 50	
			$4,151 71

47. Biological Building.

Heat and light		$2,845 66	
Gas, $81.96; water, $233.50		305 46	
Caretaker's supplies:			
Superintendent's Dept., material		168 78	
Cleaning ($1,869.72):			
Acme Window Cleaning Co.		20 00	
Allen Mfg. Co., laundry		14 04	
Superintendent's Dept., labour		1,835 68	
Repairs and renewals ($2,135.76):			
Wm. Bartlett & Son, shades		24 44	
W. E. Routery, plaster repairs		13 50	
Superintendent's Dept., labour, $1,566.48; material, $531.34		2,097 82	
Caretaker, A. J. Wright, 12 mos. (with rooms, heat and light valued @ $300) (and overtime $1.00)		1,150 00	
		$8,475 38	
Less heat and light charged to Central Power Plant	$2,845 66		
Sundry credits	18 25		
		$2,863 91	
			$5,611 47

48. Botanical Building.

Heat and light		$4,205 25	
Gas, $60.18; fuel oil, $50; water, $404.30		514 48	
Caretaker's supplies:			
Superintendent's Dept., material		226 10	
Cleaning ($2,360.23):			
Acme Window Cleaning Co.		60 00	
Allen Mfg. Co., laundry		18 46	
Butterfield Window Cleaning Co.		5 65	
Superintendent's Dept., labour		2,276 12	
Repairs and renewals ($1,276.07):			
Toronto Hydro Electric System, transformer oil test		14 12	
Accounts under $10 (3)		18 72	
Superintendent's Dept., labour, $953.24; material, $289.99		1,243 23	

Caretaker, W. V. Walker, 12 mos. (with rooms, heat and light valued at $300.00)		1,350 00	
		$9,932 13	
Less heat and light charged to Central Power Plant	$4,205 25		
Credit for cleaning	30 25		
		$4,235 50	
			$5,696 63

49. Baldwin House (History)

Light		$181 28	
Fuel ($573.77):			
Central Coal Co.		20 50	
Conger Lehigh Coal Co.		553 27	
Gas, $10.50; water, $20.91		31 41	
Caretaker's supplies:			
Superintendent's Dept., material		63 70	
Cleaning and furnaceman ($329.84):			
Acme Window Cleaning Co.		6 00	
Superintendent's Dept., labour		323 84	
Repairs and renewals ($561.96):			
W. E. Routery, plaster repairs		3 40	
Superintendent's Dept., labour, $443.82; material, $114.74		558 56	
Caretaker, G. A. Town, 12 mos. (and overtime, $67.50)		1,350 00	
		$3.091 96	
Less light charged to Central Power Plant	$181 28		
Credit for Cleaning	38 00		
		$219 28	
			$2,872 68

50. No. 43 St. George Street.

Light	$12 19	
Fuel ($244.12):		
Conger Lehigh Coal Co.	243 74	
Superintendent's Dept., labour	38	
Gas, $7.26; water, $8.96	16 22	
Caretaker's supplies:		
Superintendent's Dept., material	39 60	
Cleaning, furnaceman, etc. ($478.36):		
Accounts under $10 (2)	6 50	
D. Harrison, 135 days	37 40	
A. Worthy, 107 days	17 82	
Superintendent's Dept., labour	416 64	
Repairs and renewals:		
Superintendent's Dept., labour, $92.23; material, $12.05	104 28	
	$894 77	
Less light charged to Central Power Plant	$12 19	
		$882 58

51. No. 45 St. George Street (Law).

Light	$30 42
Fuel ($408.94):	
Central Coal Co.	21 01
Conger Lehigh Coal Co.	386 43
Superintendent's Dept., labour	1 50
Gas, $29.04; water, $9.69	38 73
Caretaker's supplies:	
Superintendent's Dept., material	36 00
Cleaning ($437.94):	
Acme Window Cleaning Co.	4 50
Superintendent's Dept., labour	433 44

Repairs and renewals:			
Superintendent's Dept., labour, $162.37; material, $83.62		245 99	
		$1,198 02	
Less light charged to Central Power Plant	$30 42		
Credit for cleaning	15 00		
		$45 42	
			$1,152 60

52. No. 47 St. George Street (Applied Mathematics).

Fuel ($295.94):		
Conger Lehigh Coal Co.	$295 31	
Superintendent's Dept., labour	63	
Electric current, $54.06; water, $8	62 06	
Caretaker's supplies:		
Superintendent's Dept., material	12 36	
Cleaning, furnaceman, etc. ($270.95):		
White Window Cleaning Co.	2 50	
Superintendent's Dept., labour	268 45	
Repairs and renewals ($310.95):		
Wm. Bartlett & Son, shades	2 54	
T. Eaton Co., linoleum	45 55	
W. E. Routery, plaster repairs	85 85	
Superintendent's Dept., labour, $129.68; material, $47.33	177 01	
	$952 26	
Less sundry credits	$19 50	
		$932 76

53. Economics Building.

Light		$5.40	
Fuel:			
Conger Lehigh Coal Co.		1,725 73	
Gas, $85.71; electric current, $1,207.61; water, $67.56		1,360 88	
Caretaker's supplies:			
Superintendent's Dept., material		330 30	
Cleaning and furnaceman ($3,348.32):			
Allen Mfg. Co., laundry		25 10	
Canadian Cleaning Co.		28 00	
Superintendent's Dept., labour		3,295 22	
Repairs and renewals ($2,152.07):			
Wm. Bartlett & Son, shades		20.78	
Livingstone, Stoker Co., parts		6 36	
W. E. Routery, plaster repairs		212 40	
Superintendent's Dept., labour, $1,415.27; material, $497.26		1,912 53	
Women's Rest Room Accommodation ($1,800):			
Canadian Office & School Furniture Ltd., settees		248 72	
W. E. Routery, plaster repairs		157 35	
Superintendent's Dept., labour, $1,022.31; material, $371.62		1,393 93	
Caretaker, Jas. McCormick, 12 mos. (with rooms valued at $100) (and overtime, $134.75)		1,100 00	
		$11,822 70	
Less light charged to Central Power Plant	$5 40		
Credit for cleaning, etc.	38 75		
		$44 15	
			$11,778 55

54. Psychology Buildings.

Light	$80 35
Fuel ($925.94):	
Conger Lehigh Coal Co.	925 44
Superintendent's Dept., labour	50
Gas, $14.16; electric current, $86.49; water, $24.00	124 65
Caretaker's supplies:	
Superintendent's Dept., material	45 32

Cleaning, furnaceman, etc. ($1,073.72):		
Accounts under $10 (3)	13 37	
Superintendent's Dept., labour	1,060 35	
Repairs and renewals ($361.52):		
W. E. Routery, plaster repairs	15 70	
Robert Simpson Co., chairs	39 56	
Superintendent's Dept., labour, $215.48; material, $90.78	306 26	
No. 104 St. George Street:		
Alterations and repairs ($4,196.05):		
Wm. Bartlett & Son, shades and screens	42 37	
T. Eaton Co., desk	10 13	
Office Specialty Mfg. Co., desk	32 00	
W. E. Routery, plaster repairs	174 60	
Robert Simpson Co., tables	28 70	
Superintendent's Dept., labour, $2,440.66; material, $1,467.59	3,908 25	
Maintenance ($789.56):		
Fuel:		
Conger Lehigh Coal Co.	253 67	
Electric current, $57.60; water, $12.41	70 01	
Robert Simpson Co., chairs	57 44	
Accounts under $10 (2)	12 84	
Superintendent's Dept., labour, $349.70; material, $45.90	395 60	
	$7,597 11	
Less light charged to Central Power Plant	$80 35	
		$7,516 76

55. David Dunlap Observatory.

Fuel ($449.91):		
Conger Lehigh Coal Co.	$352 37	
Elias Rogers Co.	97 54	
Electric current	681 18	
Caretaker's supplies:		
Superintendent's Dept., material	75 64	
Repairs and renewals ($536.96):		
Wm. Bartlett & Son, shade roller	50	
Superintendent's Dept., labour, $434.25; material, $102.21	536 46	
Sundries ($1,158.36):		
Aikenhead Hardware, Ltd., hardware	154 84	
Lundy Fence Co., fence and posts	99 22	
Telephone:		
Bell Telephone Co., service	54 00	
Toronto Salt Works, salt, etc.	30 14	
Accounts under $10 (2)	9 48	
Superintendent's Dept., labour, $760.39; material, $50.29	810 68	
Caretaker, T. McKenzie, 12 mos. (with quarters valued @ $180) (and overtime $57.50)	840 00	
	$3,742 05	
Less credits: Heat, light and water, (Prof. Chant) $72.00; cleaning, etc. $3.50	75 50	
		$3,666.55
		$906,722 90

VII. FACULTY OF MEDICINE

56. Salaries.

Administration.

W. E. Gallie, Dean (paid also $10,000 as Professor of Surgery)	$1,000 00
E. S. Ryerson, Assistant Dean and Secretary of Faculty (paid also $300 as Assistant Professor of Surgery and $360 in Dentistry)	5,200 00
Assistants:	
Miss M. W. Jones	1,900 00
Miss O. Russell	1,850 00
Miss A. Perry, Clerk	1,600 00
H. Saunders, Messenger	875 00

Hospital Theatre, Toronto General Hospital:		
C. Hart, Attendant	1,550 00	
R. Murray, Attendant in Cloak Room, 30 wks. 3 days @ $16.40	500 00	
		$14,475 00

Anatomy.

Professors:		
J. C. B. Grant	$7,000 00	
W. H. Piersol @ $5,100., of which half charged to Biology	2,550 00	
J. C. Watt	5,000 00	
Associate Professors:		
H. A. Cates	4,050 00	
A. W. Ham	3,850 00	
R. K. George, Assistant Professor	3,100 00	
C. G. Smith, Lecturer @ $2,300, of which $200 paid by School of Nursing	2,300 00	
H. C. Elliott, Assistant (Sessional—paid also $500 as Assistant in Histology)	200 00	
Assistants in Histology (Sessional):		
H. D. Ball (paid also $150 in Athletics and Physical Training—Women and $150 for Extension Work)	500 00	
H. C. Elliott (See also above)	500 00	
Demonstrators (Sessional):		
M. J. Wilson, X-ray (paid also $400 from Medical Research—Best Fund)	400 00	
Miss K. I. McMurrich (paid also $150 in Athletics and Physical Training—Women)	700 00	
M. C. Watson (paid also $17.50 for Post Graduate Courses)	500 00	
F. M. Woolhouse (paid also $250 in Physiology)	350 00	
V. P. Collins(paid also $160 from Medical Research—Best Fund and $90 in Physiology)	250 00	
E. J. Delorme (paid also $250 in Physiology)	225 00	
F. Burns Plewes	175 00	
Miss E. H. Britton	150 00	
Ross H. Flett	100 00	
R. G. MacKenzie (paid also $500 in Surgery)	50 00	
Dr. Freda Richardson	50 00	
M. G. Whillans (paid also $1,000 in Pathology and Bacteriology)	50 00	
Miss M. G. Chapman, Histology	150 00	
W. E. L. Sparks, Neurology	55 00	
A. E. Montgomery, Dental Anatomy	300 00	
Miss M. D. Sewell, Prosector (Sessional—paid also $35 in Department)	370 00	
H. E. LeMasurier, Senior Technical Assistant (paid also $125 in Department)	1,900 00	
H. F. Whittaker, Technical Assistant (paid also $150 in Dentistry)	805 00	
Miss G. Dowlsey, Clerical Assistant	1,300 00	
B. L. Guyatt, Museum Curator (part time)	1,000 00	
Laboratory Assistants:		
H. McCormick	1,700 00	
S. George	1,500 00	
C. E. Storton	900 00	
G. A. L. Ross, Animal Caretaker	900 00	
	$42,930 00	
Less paid by School of Nursing	$200 00	
		$42,730 00

Pathology and Bacteriology.

Professors:		
William Boyd	$8,000 00	
W. L. Holman, Bacteriology, also Associate Director of Applied Bacteriology	5,000 00	
W. L. Robinson, Pathology, also Associate Director of Applied Pathology	2,200 00	
Assistant Professors:		
G. Lyman Duff	2,750 00	
W. Magner	300 00	

I. H. Erb	300 00	
G. Shanks	300 00	
Lecturers (Sessional):		
P. H. Greey, Bacteriology	1,800 00	
Dr. R. Margarite Price	3,000 00	
D. N. Henderson, Associate in Gynaecological Pathology (without salary—paid $1,000 in Obstetrics and Gynaecology)		
D. E. O. Magner, Senior Fellow (11 mos.)	1,200 00	
Fellows (11 mos.):		
A. W. Bagnall, Jr., Pathology	850 00	
D. B. MacLaren, Bacteriology	1,000 00	
A. J. Blanchard, in Museum	850 00	
Demonstrators (Sessional):		
C. L. Burke, Pathology	600 00	
Bacteriology:		
E. J. Clifford (without salary)		
J. G. Mickler	50 00	
Assistants in Laboratory:		
Miss N. W. Simpson, Pathology	1,500 00	
Miss H. M. Boyd, Bacteriology	1,100 00	
Miss A. Alvey, Special Technician	1,100 00	
Miss C. M. Westlake, Technician	1,020 00	
Laboratory Attendants for preparing Media:		
Miss E. A. Gordon, Senior Technician, Bacteriology (11 mos.)	1,200 00	
Miss M. Jackson, Attendant, Bacteriology	840 00	
A. Vowles, Junior Attendant, Bacteriology	660 00	
Miss G. K. R. Boyd, Secretary	1,260 00	
Librarians and Assistant Secretaries:		
Miss H. M. Hammond (@ $1,020; resigned 21 November)	399 50	
Miss H. J. Williamson (8 mos.)	590 00	
Miss V. L. McKinnon, Museum Stenographer	1,260 00	
J. F. Payne, Preparator	1,800 00	
Miss E. Eck, Junior Attendant in Museum	600 00	
Miss M. Wightman, Autopsy Recorder	960 00	
Miss G. F. Johnston, Autopsy Technician	960 00	
	$43,499 50	
Division of Neuropathology:		
E. A. Linell, Professor	$4,500 00	
Dr. Mary I. Tom, Lecturer (Sessional)	1,950 00	
M. G. Whillans, Fellow (Sessional—see also Anatomy)	1,000 00	
Technicians:		
Miss M. G. Hein	1,140 00	
Miss H. Rogers, Medicine and Surgery	960 00	
Miss C. A. Bell, Stenographer	1,100 00	
		$54,099 50

Pathological Chemistry.

Andrew Hunter, Professor (also in Connaught Laboratories)	$7,000 00	
T. F. Nicholson, Associate Professor	3,600 00	
R. W. I. Urquhart, Lecturer (Sessional)	1,000 00	
Fellows (Sessional)		
H. E. Woodward	1,500 00	
A. G. Gornall	1,000 00	
Demonstrators (Sessional)		
D. L. Selby	600 00	
D. H. Boddington	500 00	
J. S. Wilson	250 00	
G. P. Hamblin, Assistant (Sessional)	250 00	
C. E. Downs, Technician	1,500 00	
C. H. Downs, Laboratory Assistant	1,200 00	
Laboratory Attendants:		
Mrs. J. Faulds	750 00	
Mrs. C. McCallum (see also Chemistry)	350 00	
Miss C. A. Shannon, Secretary	1,200 00	
		$20,700 00

Pharmacy and Pharmacology.

V. E. Henderson, Professor	$6,000 00	
G. H. W. Lucas, Associate Professor	4,000 00	
J. K. W. Ferguson, Assistant Professor	3,500 00	
D. D. Bonnycastle, Fellow (Sessional)	1,500 00	
Technical Assistants:		
A. Brock	2,100 00	
A. C. Morrison	900 00	
C. Codner, Laboratory Attendant	1,160 00	
Miss D. Caldecott, Clerical Assistant	550 00	
		$19,710 00

Bio-Chemistry.

Professors:		
H. Wasteneys	$6,000 00	
G. F. Marrian @ $5,000 (resigned 31 December)	2,500 00	
A. M. Wynne, Associate Professor	4,000 00	
B. F. Crocker, Lecturer (Sessional)	2,000 00	
Jules Tuba, Senior Fellow (Sessional—paid also $105 in Special Research)	800 00	
Fellows (Sessional):		
W. H. Fishman (paid also $130 in Special Research)	950 00	
P. Hamilton (paid also $130 in Special Research)	950 00	
Miss E. A. Macpherson	850 00	
F. Root (5 mos.)	500 00	
A. D. Odell (3 mos.)	375 00	
Miss M. Delamere, Secretarial Assistant	1,350 00	
Technicians:		
J. W. Fletcher (senior)	1,650 00	
L. Sloan	1,700 00	
J. H. McClary	1,100 00	
Miss D. I. Skill, Research Assistant @ $1,100 (resigned 15 April)	1,054 17	
Laboratory Assistants:		
G. Lumbard	1,050 00	
W. Clough	1,050 00	
Mrs. Ethel Wilkie, Laboratory Attendant	800 00	
		$28,679 17

Physiology.

Professors:	
C. H. Best (paid also in Connaught Laboratories and $2,500 from Medical Research—Best Fund; also Acting Head of Physiological Hygiene without salary)	$6,000 00
N. B. Taylor	4,800 00
Assistant Professors:	
D. Y. Solandt (paid also $300 in School of Hygiene)	3,500 00
E. T. Waters paid also $350 for Extension Work)	2,900 00
E. H. Botterell, Lecturer, Neuro-physiology (Sessional—paid also $1,500 in Surgery and $20 for Extension Work)	1,500 00
E. Fidlar, Lecturer and Research Associate (Sessional—paid also $300 from Medical Research—Best Fund)	1,800 00
Fellows (Sessional):	
W. F. Greenwood	600 00
W. D. Gray	500 00
Miss L. E. M. Roddy	360 00
Part-time Fellows (Sessional—see also Anatomy):	
E. J. Delorme	250 00
F. M. Woolhouse	250 00
V. P. Collins	90 00
R. E. Haist, Demonstrator	1,400 00
W. D. Howe, Research Assistant (3 mos.)	150 00
Miss M. Cory, Departmental Librarian	1,250 00
Miss D. Secord, Secretarial Assistant (paid also $100 from Medical Research—Best Fund)	1,250 00
F. L. Robinson, Technical Assistant and Glass-blower (paid also $500 from Medical Research—Best Fund)	2,000 00
A. Elliott, Mechanician	1,850 00
J. D. Brown, Technical Assistant, Bio-Physics	1,500 00

G. Scattergood, Laboratory Assistant for Teaching Laboratories	1,200 00	
G. L. Robinson, Animal Caretaker	1,350 00	
A. D. Crouch, Assistant Animal Caretaker	1,050 00	
		$35,550 00

Hygiene and Preventive Medicine.

Professors (paid also in Connaught Laboratories):		
J. G. FitzGerald (part time—see also School of Hygiene)	....	
R. D. Defries (see also School of Hygiene)	....	
D. T. Fraser	4,500 00	
P. J. Moloney, Associate Professor (paid in Connaught Laboratories and $2,800 in School of Hygiene)	....	
Assistant Professors (paid also in Connaught Laboratories)		
M. H. Brown	1,100 00	
Dr. Frieda H. Fraser	1,100 00	
F. O. Wishart, Lecturer (Sessional)	2,800 00	
R. J. Wilson, Fellow	1,000 00	
W. S. McClure (part time—Sessional)	100 00	
Demonstrators (Sessional):		
M. F. McGavin	875 00	
A. M. Fallis	400 00	
R. Hare (paid also in Connaught Laboratories)	400 00	
Miss H. C. Plummer (paid also in Connaught Laboratories)	500 00	
Miss E. M. Parr, Class Assistant (Sessional)	744 00	
A. J. Bishop, Technician (paid also in Connaught Laboratories)	744 00	
Miss E. Barr, Secretarial Assistant	1,200 00	
		$15,463 00

Medicine and Clinical Medicine.

Duncan Graham, Professor	$10,000 00	
Assistant Professors:		
Part-time:		
H. K. Detweiler	300 00	
G. W. Howland (paid also $60 for Extension Work)	300 00	
J. D. Loudon	300 00	
John A. Oille (paid also $20 in Health Service)	300 00	
E. J. Trow (in charge of Dermatology)	300 00	
R. F. Farquharson @ $3,000., of which $1,000 charged to Therapeutics (paid also $56 for Post Graduate Course)	2,000 00	
W. F. McPhedran (half time)	500 00	
Associates:		
W. R. Campbell (paid also $70 for Post Graduate Course)	2,500 00	
Half-time:		
Trevor Owen	500 00	
W. P. Warner	500 00	
Part-time:		
R. G. Armour	250 00	
J. H. Elliott (paid also $700 as Professor of History of Medicine; $40 in School of Nursing and $30 for Extension Work)	250 00	
A. A. Fletcher (paid also $63 for Post Graduate Course and $20 for Extension Work)	250 00	
Beverley Hannah (paid also in Connaught Laboratories and $190 in School of Nursing)	250 00	
J. Hepburn	250 00	
A. G. McPhedran (paid also $200 in Health Service)	250 00	
H. C. Parsons	250 00	
F. W. Rolph	250 00	
J. A. Dauphinee, Senior Demonstrator, Clinical Microscopy (Sessional—without salary—paid as Junior Demonstrator)	....	
Senior Demonstrators (Sessional):		
H. H. Hyland	500 00	
G. W. Lougheed	500 00	
E. J. Maltby	500 00	
Gordon Bates (paid also $20 in School of Nursing)	200 00	
G. F. Boyer	200 00	
E. A. Broughton	200 00	
A. H. W. Caulfeild (paid also in Connaught Laboratories and $20 in Health Service	200 00	

E. E. Cleaver	200 00	
H. A. Dixon	200 00	
J. G. Falconer (paid also $50 for Extension Work)	200 00	
A. J. MacKenzie (ob. 3 March—salary paid to Estate)	200 00	
J. H. McPhedran	200 00	
W. E. Ogden	200 00	
Junior Demonstrators:		
Full-time:		
R. A. Cleghorn (paid also $24.50 for Post Graduate Course)	3,000 00	
J. W. Graham (paid also $25 for Extra Mural Lecture in Dentistry)	2,400 00	
J. C. Richardson	2,400 00	
J. A. Dauphinee, paid also $7 for Post Graduate Course—see also above)	2,000 00	
H. E. Rykert	1,500 00	
Half-time:		
R. Ian Macdonald	1,000 00	
N. M. Wrong	500 00	
Part-time:		
E. F. Brooks	150 00	
W. Hurst Brown	150 00	
A. R. Hagerman	150 00	
F. C. Hamilton	150 00	
L. M. Murray	150 00	
D. J. Prendergast	150 00	
H. M. Gray, Clinical Microscopy (Sessional)	250 00	
Fellows (Sessional):		
R. C. Dickson	1,000 00	
J. S. Wenzel	1,000 00	
Research Assistants:		
Miss M. I. Hanna	1,440 00	
N. W. Simmons	1,200 00	
Miss N. R. Hearn, Technician, Applied Physiology	1,320 00	
Secretarial Assistants:		
Miss S. H. Clutton	1,440 00	
Miss B. M. Calvin @ $840., of which half charged to Therapeutics	420 00	
R. H. Wilson, Laboratory Attendant @ $720; 10 mos. 23 days	649 30	
		$45,419 30

Paediatrics.

Alan Brown, Professor	$350 00	
Associates:		
F. F. Tisdall, also Director of Paediatric Research Laboratories	2,000 00	
A. W. Canfield	250 00	
E. A. Morgan	250 00	
Senior Demonstrators (Sessional):		
T. G. H. Drake	2,000 00	
Dr. Gladys L. Boyd	500 00	
Part-time:		
A. P. Hart	200 00	
G. E. Smith	200 00	
Junior Demonstrators (Sessional):		
L. N. Silverthorne (paid also in Connaught Laboratories; also Research Assistant in Bacteriology without salary)	300 00	
C. E. Snelling (paid also $5 in School of Nursing)	300 00	
W. A. Hawke	200 00	
J. R. Ross	200 00	
W. W. Barraclough	150 00	
J. D. M. Griffin (without salary-see also Psychology)	....	
Dr. Elizabeth Chant Robertson, Research Fellow (Sessional)	200 00	
Research Assistants (Sessional):		
L. N. Silverthorne, Bacteriology—without salary (see above)	... .	
S. H. Jackson, Chemistry	850 00	
Technicians (Sessional):		
Miss M. E. Doyle	200 00	
Miss E. McNamara	200 00	
Miss R. M. Herbert (resigned 30 September)	50 00	
Miss M. L. Cassidy, Secretarial Assistant (part time)	500 00	
		$8,900 00

Surgery and Clinical Surgery.

W. E. Gallie, Professor (paid also as Dean)	$10,000 00
Assistant Professors:	
T. A. J. Duff	300 00
R. R. Graham	300 00
K. G. McKenzie	300 00
Robin Pearse	300 00
D. E. Robertson (paid also $10 in School of Nursing)	300 00
E. S. Ryerson (see also Administration)	300 00
N. S. Shenstone	300 00
G. E. Wilson	300 00
Associates:	
R. F. Gaby	250 00
R. I. Harris	250 00
A. B. Le Mesurier	250 00
T. A. Robinson	250 00
J. W. Ross	250 00
H. W. Wookey	250 00
Senior Demonstrators (Sessional):	
G. S. Foulds	200 00
C. W. Harris	200 00
R. M. Janes	200 00
J. C. McClelland	200 00
R. J. A. McComb	200 00
J. L. McDonald (paid also $40 for Extension Work)	200 00
C. B. Parker	200 00
J. Spence Reid	200 00
R. H. Thomas (paid also $200 in Health Service)	200 00
Junior Demonstrators (Sessional):	
H. G. Armstrong	150 00
J. W. Brennan	150 00
W. G. Carscadden	150 00
J. H. Couch	150 00
C. R. B. Crompton	150 00
J. T. Danis	150 00
A. W. Farmer	150 00
F. I. Lewis (paid also $20 for Extension Work)	150 00
J. A. MacFarlane paid also $200 in Health Service)	150 00
D. R. Mitchell	150 00
D. W. G. Murray	150 00
D. W. Pratt	150 00
T. R. Sarjeant	150 00
E. E. Shouldice	150 00
R. M. Wansbrough	150 00
C. H. Watson	150 00
Anthony Till (without salary)	....
Fellows (Part-time Sessional):	
F. G. Kergin	1,800 00
E. H. Botterell (see also Physiology)	1,500 00
R. C. Laird	1,200 00
S. D. Gordon	900 00
R. G. MacKenzie (see also Anatomy)	500 00
A. W. M. White	450 00
W. S. Keith	400 00
W. K. Welsh (paid also $115 in School of Nursing)	400 00
Fellows (Resident—Sessional):	
C. Aberhart	400 00
C. S. Day	400 00
J. F. Roberts	400 00
Fellows (Assistant Resident—Sessional):	
F. P. Dewar	300 00
Dr. Jessie Gray	300 00
H. Hayward	300 00
C. P. McCormick	300 00
A. D. McLachlin	300 00
F. L. Shipp	300 00

T. W. Steele	300 00	
F. H. Wigmore	300 00	
G. F. Pringle, Laboratory Technician	1,200 00	
Miss T. W. MacLaren, Secretary	1,500 00	
		$31,550 00

Obstetrics and Gynaecology.

William A. Scott, Professor (paid also $10.50 for Post Graduate Course)	5,000 00	
Assistant Professors:		
N. D. Frawley	300 00	
H. B. Van Wyck (paid also $110 in School of Nursing)	300 00	
R. W. Wesley	300 00	
Senior Demonstrators (Sessional):		
W. G. Cosbie (paid also $10 in School of Nursing)	200 00	
W. W. Lailey	200 00	
D. M. Low (paid also $10 in School of Nursing)	200 00	
S. J. N. Magwood (paid also $100 in Health Service)	200 00	
Junior Demonstrators (Sessional):		
L. T. A. Armstrong	150 00	
W. A. Dafoe	150 00	
J. C. Goodwin (paid also $10 in School of Nursing)	150 00	
H. W. Johnston	150 00	
John Mann	150 00	
H. K. Manning	150 00	
R. B. Meiklejohn	150 00	
W. H. Murby	150 00	
W. T. Noonan	150 00	
F. J. O'Leary	150 00	
A. D. T. Purdy	150 00	
G. L. Watt	150 00	
Fellows (Sessional):		
J. R. MacArthur	1,500 00	
D. N. Henderson (see also Pathology and Bacteriology)	1,000 00	
Miss M. Bonham, Laboratory Technician	1,100 00	
Miss H. Carson, Secretary	900 00	
		$13,000 00

Ophthalmology.

W. H. Lowry, Professor	$700 00	
Associates:		
F. A. Aylesworth	200 00	
C. E. Hill (paid also $10 in School of Nursing)	200 00	
Mortimer Lyon	200 00	
W. W. Lyon	200 00	
A. E. MacDonald (part time)	1,200 00	
L. J. Sebert (Sessional—without salary)	....	
Junior Demonstrators (Sessional):		
W. R. F. Luke	200 00	
H. M. Macrae	200 00	
J. F. A. Johnston, Assistant (Sessional)	800 00	
Miss Mary Gray, Secretarial Assistant @ $1,000., of which half charged to Oto-Laryngology	500 00	
		$4,400 00

Oto-Laryngology.

Perry Goldsmith, Professor (paid also $15 in School of Nursing)	$700 00	
G. M. Biggs, Associate Professor	350 00	
A. A. Campbell, Associate	250 00	
Senior Demonstrators (Sessional):		
H. H. Burnham	200 00	
C. A. Rae	200 00	
J. X. Robert	200 00	
A. H. Veitch	200 00	
D. E. S. Wishart	200 00	
Junior Demonstrators (Sessional):		
H. W. D. McCart	150 00	

Gregor McGregor	150 00	
Angus McLeod	150 00	
G. C. Snell	150 00	
J. Grant Strachan	150 00	
J. A. Sullivan	150 00	
P. E. Ireland	1,200 00	
Miss Mary Gray, Technician (half time—see also Ophthalmology)	500 00	
		$4,900 00

Therapeutics

R. F. Farquharson, Assistant Professor and Head of Department (see also Department of Medicine)	$1,000 00	
Associates:		
H. J. Shields, in charge of Anaesthesia	250 00	
W. J. Gardiner, in charge of Physical Therapy (paid also $500 for Extension Work)	250 00	
C. E. C. Cole, Senior Demonstrator (Sessional)	200 00	
Junior Demonstrators, Anaesthesia (Sessional):		
W. E. Brown	150 00	
S. M. Campbell	150 00	
S. J. Evelyn	150 00	
K. M. Heard	150 00	
K. E. Hollis	150 00	
C. H. Robson	150 00	
Assistants (Sessional):		
H. C. Hair	50 00	
Dr. Jessie A. McGeachey	50 00	
J. W. Magladery	50 00	
Assistants, Anaesthesia (Sessional—without salary):		
G. R. Balfour	....	
C. G. Bryan	....	
N. S. Clark	....	
H. R. Hargrave	....	
A. R. Wilkins	....	
A. H. Squires, Research Fellow, 8 mos.	800 00	
Miss B. M. Calvin, Secretarial Assistant (half time—see also Medicine)	420 00	
		$3,970 00

Psychiatry

C. B. Farrar, Professor (paid also $100 in Health Service)	5,000 00	
E. P. Lewis, Assistant Professor	500 00	
C. H. McCuaig, Associate	250 00	
Demonstrators (Sessional):		
G. W. Anderson (see also Psychology)	150 00	
S. G. Chalk	150 00	
Dr. Ruth M. Franks	150 00	
Dr. Mary V. Jackson	150 00	
B. T. McGhie	150 00	
C. G. Stogdill paid also $100 in School of Nursing)	150 00	
Fellows (Sessional—without salary):		
K. G. Gray, Forensic Psychiatry (paid in Medical Jurisprudence)	....	
J. D. M. Griffin, Child Psychiatry (see also Psychology)	....	
L. D. Proctor, Research Fellow (Sessional—without salary)	....	
Miss A. B. Abbott, Secretarial Assistant (without salary)	....	
		$6,650 00

Medical Jurisprudence

Lecturers (Sessional):		
K. G. Gray (see also Psychiatry)	125 00	
W. L. Robinson (see also Pathology and Bacteriology)	125 00	
		$250 00

Radiology

G. E. Richards, Professor	700 00	
A. C. Singleton, Associate	250 00	
Senior Demonstrators (Sessional)		
A. W. Blair	200 00	
M. R. Hall	200 00	
A. H. Rolph	200 00	
M. V. Peters, Assistant Demonstrator (Sessional)	100 00	
J. Somers, Assistant (part time—Sessional)	500 00	
		$2,150 00

Research Professor

Sir Frederick Banting (paid $5,000 in Special Research)	....	....

Special Lectures

Professor J. H. Elliott, History of Medicine (see also Department of Medicine	$700 00	
Special Lecturers (Sessional):		
Science and Civilization:		
A. F. Coventry (see also Biology)	200 00	
H. Wasteneys (see also Bio-Chemistry)	200 00	
D. M. Tanner, Dentistry (see also Faculty of Dentistry)	100 00	
Without salary:		
G. S. Young, Medical Ethics and Economics	....	
J. G. Falconer, Life Insurance (see also Department of Medicine)	....	$1,200 00
		$353,795 97

Less charged to:			
Rockefeller Fund	$51,542 88		
Eaton Endowment	28,819 30	$80,362 18	$273,433 79

56a Post Graduate Courses

Metabolic and Endocrine Disorders ($294.20):		
Honoraria to Instructors:		
W. R. Campbell	$70 00	
R. A. Cleghorn	24 50	
J. A. Dauphinee	7 00	
R. F. Farquharson	56 00	
A. A. Fletcher	63 00	
W. A. Scott	10 50	
M. C. Watson	17 50	
Sundry expenses:		
Toronto General Hospital, luncheon	17 70	
University Club, luncheon	28 00	
Cancer ($175.00):		
Honoraria to Instructors:		
Sundry doctors (17)	153 00	
Sundry expenses:		
Accounts under $10 (3)	22 00	
		$469 20

57. Anatomy

Anatomical material ($2,859.63):	
Art Metropole	$10 50
E. E. Bolton	390 00
F. J. Burns & Co.	17 47
Canadian Industrial Alcohol Co.	96 75
Canadian Laboratory Supplies	199 18
T. Eaton Co.	12 29
Eric Glaesner	34 00
J. Gatensby	96 00
C. Hunt	70 00
Jerrett Funeral Co.	30 00
Ingram & Bell	51 15
Le Masurier Bros.	65 95
Mallinckrodt Chemical Works	51 60
F. W. Matthews Co.	1,260 07
Riverdale Lumber Co.	13 39
W. M. Speers	90 00
A. R. Williams Machinery Co.	32 46
Accounts under $10	34 24
Prof. J. C. B. Grant, models	72 00
Superintendent's Dept., labour, $92.66; material, $139.92	232 58
General equipment and incidentials ($2,962.08):	
Aikenhead Hardware, Ltd., hardware	12 89

Allen Mfg. Co., laundry	98 16	
American Journal of Pathology, reprints	10 33	
Art Metropole, paper	17 39	
George Banta Publishing Co., reprints	18 41	
Dr. Brock R. Brown, illustrations for book by Dr. Grant	105 00	
John Bull Mfg. Co., disinfectant	14 00	
Canadian Laboratory Supplies	18 98	
Canadian Medical Association	14 50	
Canadian Westinghouse Co., refrigerator	114 57	
Corbett-Cowley, Ltd., laboratory coats	92 56	
W. V. Dawson, paper	148 14	
Eastman Photographic Stores, tissue, etc.	17 63	
Gevaert Co., films, plates, etc.	203 70	
Gordon, Mackay & Co.	31 43	
J. F. Hartz Co., pencils, etc.	20 40	
Ingram & Bell, chemicals, glassware, etc.	52 38	
H. E. LeMasurier, honorarium for work in connection with X-Rays of students	125 00	
Mrs. H. McCormick, repairing laboratory coats	10 50	
Mallinckrodt Chemical Works, chemicals	108 95	
Nichols Chemical Co., acids	11 11	
Postage	37 50	
Ralston Purina Co., feed	329 03	
Geo. Rathbone Lumber Co.	58 60	
Robbins & Townsend, typewriter inspection	23 30	
Science Press, reprints	14 01	
Miss M. Sewell, anatomical drawings	150 00	
Stephen Sales Ltd., ink	77 90	
Victor X-Ray Corporation, machine parts	200 00	
Wistar Institute of Anatomy & Biology, subscription	39 53	
University Press, printing and stationery	284 61	
Accounts under $10 (18)	74 95	
Sundry disbursements by department: Hardware $42.62; medical supplies, $28.65; food supplies and sundries, $24.84	96 11	
Superintendent's Dept., freight, $13.95; labour, $95.13; material, $221.43	330 51	
	$5,821 71	
Less credits: X-Ray fees, $319.00; sale of material, $237.87; material returned $20.; laboratory deposits $23	599 87	
		$5,221 84

58. Pathology and Bacteriology

Supplies and apparatus ($4,938.10):

Allen Mfg. Co., laundry	$190 74
American Journal of Cancer, reprints	22 54
Art Metropole, bulbs, lens, etc.	90 42
Bauer & Black, cotton	28 71
British Drug Houses, chemicals	19 46
Camera Service, camera repairs, etc.	50 00
Canadian Medical Association, reprints	21 86
Walter A. Carveth & Co., carbons, bulbs, filters, etc.	92 75
Central Scientific Co., filters, chemicals, etc.	69 28
E. Cullen, animals	119 00
Diamond Cleanser & Soaps, Ltd., soap	17 12
Dominion Paper Box Co., boxes	13 50
Eastman Photographic Stores, Chemicals, paper, etc.	197 51
T. Eaton Co., thread, shears, pans, etc.	36 85
Fitzgerald-McAvoy Wire Goods, baskets	50 88
General Motors Sales Corporation, frigidaire service	31 81
Gevaert Co., plates	52 16
Grand & Toy, cabinet, etc.	17 25
J. F. Hartz Co., chemicals and glassware	562 56
Higgin Screen & Mfg. Co., windows screened	470 77
Ingram & Bell, chemicals, slides and glassware	491 73
Kilgours, Ltd., paper, etc.	33 99
Lea & Febiger, reprints	52 00
MacCallum Scale Service	19 50
Medical Agency of Canada, booklets	250 20

Medical Research Dept., animals	167 05	
Millers Meat Market, meat	103 57	
Mimeograph Co., paper, ink, etc.	27 26	
Postage	80 76	
Robbins & Townsend, typewriter inspection	36 60	
Society for Experimental Biology and Medicine, reprints	36 67	
Stevens Co., cotton	42 84	
Underwood-Elliott-Fisher, Ltd., typewriter, $145.80; less allowance on old machine, $12.50	133 30	
H. L. Vickery, caretaker's overtime services	16 00	
Waverley Press, reprints	13 77	
University Press, printing and stationery	494 83	
Accounts under $10 (27)	140 38	
Sundry disbursements by department:		
Hardware, $25.89; telegrams, stationery, etc., $21.18; food supplies, $15.53; sundries, $30.97	93 57	
Superintendent's Dept., freight $41.57; labour, $185.36; material, $321.98	548 91	
Museum supplies ($1,159.84):		
British Xylonite Co., bexoid	55 89	
Walter A. Carveth & Co., projection apparatus and parts	245 50	
Educational Exhibits, cement, etc.	21 54	
Grand & Toy, index strips, boxes, etc.	25 25	
J. F. Hartz Co., chemicals	160 67	
Ingram & Bell, watch glasses, etc.	210 50	
J. B. Lippincott Co., text book	17 50	
Peckover's Ltd., aluminum sheet	13 26	
Queen City Glass Co., glass	44 77	
Telfer Paper Box Co., boxes	22 57	
A. R. Williams Machinery Co., guards for hand saw, etc.	23 40	
Accounts under $10 (6)	38 74	
Superintendent's Dept., labour	280 25	
Alterations in Museum ($630.90):		
LeMasurier Bros., display cards	340 00	
Superintendent's Dept., labour, $191.06; material, $99.84	290 90	
Clerical assistance:		
Mrs. M. Walkden, 3 mos.	225 00	
Neuropathology:		
Supplies and apparatus ($985.24):		
Allen Mfg. Co., laundry	37 28	
Art Metropole, micro objective, case, lamps, etc.	291 77	
Walter A. Carveth & Co., microtome parts	28 00	
Dictaphone Sales Corporation, machine inspection	27 50	
T. Eaton Co., folders, towels, etc.	25 65	
J. F. Hartz Co., micro mechanism, chemicals, glassware, etc.	240 56	
Ingram & Bell, chemicals, glassware, etc.	159 18	
Liquid Carbonic Corporation, gas	48 00	
Postage	16 00	
Robbins & Townsend, typewriter inspection	12 40	
University Press, printing and stationery	60 98	
Accounts under $10 (7)	35 43	
Superintendent's Dept., labour, $1.85; material, $0.64c	2 49	
	$7,939 08	
Less credits: Laboratory deposits, $116.26; sale of material, $388.37; material returned $40	544 63	
		$7,394 45

59. Pathological Chemistry.

Supplies and apparatus:	
Allen Mfg. Co., laundry	75 93
Baker Platinum, Ltd., platinum	68 54
British Drug Houses, chemicals	271 63
Cambridge University Press., reprints	26 94
Canadian Kodak Co., chemicals	36 95
Canadian Laboratory Supplies, corks and funnels	18 58
Central Scientific Co., chemicals and glassware	720 17
R. H. Chappell, glass blowing	122 00

J. J. Conley, apparatus	47 50	
Connaught Laboratories, heparin	15 00	
Dewey & Almy, Chemical Co., chemicals	19 60	
T. Eaton Co., towels, etc.	15 00	
General Motors Sales Corporation, frigidaire service	17 62	
Instruments, Ltd., slide rule	19 25	
Leeds & Northrup Co., chemicals	212 12	
Medical Research Dept., animals	10 00	
Nichols Chemical Co., acids	129 52	
Pryal & Nye, battery	16 95	
Rockefeller Institute for Medical Research, reprints	10 00	
Roneo Co., of Canada, overhauling duplicator, etc.	10 28	
Rubicon Co., galvanometer	62 57	
Arthur H. Thomas, glassware	61 12	
University Press, printing and stationery	76 86	
Accounts under $10 (11)	52 29	
Sundry disbursements by department:		
Postage, $32.64; express and hardware, $14.39; food supplies and drugs, $12.45; sundries, $15.52	75 00	
Superintendent's Dept., freight, $10.04; labour, $65.54; material, $70.06	145 64	
	$2,337 06	
Less credits: Laboratory deposits, $43.33; sale of material, $67.00	110 33	
		$2,226 73

60. Pharmacy and Pharmacology.

Supplies ($1,614.32):		
Aikenhead Hardware, Ltd., hardware	93 05	
Archives Internationales de Pharacodynamics et de Therapie, reprints	14 67	
Bausch & Lomb Optical Co., racks, etc.	30 58	
R. F. Breux, frogs	58 90	
British Drug Houses, chemicals, etc.	34 79	
Allan Brock, animals	319 90	
Burgess Battery Co., batteries	25 39	
Canadian Electrical Supply Co., switches, batteries, etc.	30 43	
Canadian Kodak Co., chemicals	12 04	
Canadian Laboratory Supplies, chemicals, glassware, etc.	150 55	
Central Scientific Co., glassware, etc.	58 07	
Drug Trading Co., chemicals, etc.	39 63	
J. F. Hartz, syringes, etc.	10 50	
F. W. Humphreys Co., fish	12 80	
Ingram & Bell, chemicals, drugs, etc.	69 06	
National Drug & Chemical Co., chemicals, etc.	35 38	
Photographic Service, prints and slides	20 85	
Queen City Dental Mfg. Co., oxygen	11 75	
Ralston Purina Co., feed	94 06	
Riseborough & Jackson, feed	13 74	
Vail's Systems, Ltd., laundry	52 33	
Waverley Press, reprints	22 89	
York Trading, Ltd., fish	15 90	
University Press, printing and stationery	83 53	
Accounts under $10 (16)	73 13	
Sundry disbursements by department:		
Food supplies, $12.31; hardware, 10.72; sundries, $8.14	31 17	
Superintendent's Dept., freight, $12.85; labour, $34.62; material, $151.76	199 23	
Apparatus ($855.00):		
Ferranti Electric, Ltd., cathode Ray, Electrocardiograph	685 00	
Superintendent's Dept., labour, $110.91; material, $59.09	170 00	
	$2,469 32	
Less credits: Part payment of electrocardiograph by Ohio Chemical Co., $300; sale of material, $10	310 00	
		$2,159 32

61. Bio-Chemistry (including Zymology)

Supplies and apparatus:

Acme Farmer's Dairy	$57 29	
Aikenhead Hardware, Ltd., hardware	138 75	
Akatos, Inc., chemicals	32 50	
Allen Mfg. Co., laundry	32 41	
Baker Platinum Co., crucibles	49 68	
Biological Laboratory, Long Island, Biological Association, reprints	10 68	
Borden Co., milk powder	30 20	
British Drug Houses, chemicals	187 57	
Canada Packers, Ltd., meat	309 75	
Canadian Kodak Co., chemicals	58 84	
Canadian Laboratory Supplies, chemicals, glassware, etc.	1,339 55	
Canadian Liquid Air Co., gas and rental of cylinders	71 26	
Central Scientific Co., burettes, brushes, corks, etc.	91 54	
R. H. Chappell, glass-blowing	63 50	
City Dairy Co., dry ice	31 90	
Corbett-Cowley Ltd., laboratory coats	60 73	
E. Cullen, animals	20 00	
Delamere & Williams, motor and pulley	13 67	
T. Eaton Co., batting, etc.	11 70	
Fish-Schurman Corp., filters	12 86	
Insulin Committee Laboratory, animals	18 00	
Journal of Biological Chemistry, reprints	43 59	
Kennedy Mfg. Co., insecticide	45 00	
Chas. C. Marchand Co., reprints	22 32	
Mead Johnson & Co., cod liver oil and yeast	76 42	
Merck & Co., chemicals	393 08	
Nichols Chemical Co., acids	18 43	
Photographic Service, slides, etc.	16 30	
Quinte Milk Products, casein	15 50	
Rubicon & Co., test tubes	20 28	
Shawinigan Chemical Co., alcohol	54 80	
Toronto Elevator Co., feed	43 44	
Underwood-Elliott-Fisher Ltd., typewriter	141 75	
Wholesale Radio Co., radio parts	45 55	
Window Shades & Fittings, venetian blinds	42 85	
University Press, printing and stationery	126 42	
Accounts under $10 (24)	121 78	
Sundry disbursements by department: Food supplies, etc., $40.96; postage, $29.00; telegrams, etc., $13.87; sundries, $43.08	126 91	
Superintendent's Dept., freight, $33.32; labour, $170.39; material, $649.90	853 61	
	$4.913.41	
Less credit from Laboratory deposits	314 22	
		$4,599 19

62. Physiology.

Supplies and apparatus:

Abbott Laboratories, chemicals	$22 93
Acme Farmer's Dairy, milk	181 19
F. J. Burns & Co., frogs	16 37
Cambridge University Press, reprints	12 88
Canada Packers, Ltd, meat	95 22
Canadian Fairbanks-Morse Co., hardware	154 18
Canadian General Electric Co., heater, etc.	10 61
Canadian Liquid Air Co., gas and rental of cylinders	29 80
Central Scientific Co., chemicals and glassware	363 84
R. H. Chappell, glass blowing	24 50
Warren E. Collins, soda lime	40 48
Consolidated Plate Glass Co., glass	16 74
Joseph Cooper, Ltd., meat	226 67
T. Eaton Co., gauze; towelling, batteries, etc.	299 39
Ingram & Bell, syringes, needles, etc.	81 50
Frank Jennings, sawdust	38 00

Johnson, Matthey & Co., contact points, wire, etc.	13 38	
Jones Bros., plates, cutters, etc.	12 00	
Kelley Feed & Seed Co., feed	340 35	
Langley Harris Co., dog biscuits	140 00	
Mallinckrodt Chemical Works, chemicals	70 51	
New York Scientific Supply Co., specimens	15 91	
Nichols Chemical Co., acids	46 40	
Oxygen Co., of Canada, oxygen	15 90	
C. F. Palmer, paper	18 49	
Postage	57 50	
Rainbow Lantern Slide Co., slides	13 75	
Tordoff Electric Co., electrical repairs	30 00	
Thermos Bottle Co., jar	11 91	
Wholesale Radio Co., radio parts	21 88	
Wistar Institute of Anatomy & Biology, reprints	47 41	
University Press, printing and stationery	186 30	
Accounts under $10 (45)	192 90	
Sundry disbursements by department: Laundry, $282.13; postage, telegrams, etc., $7.89; hardware, $18.07; food supplies, etc., $24.35; sundries, $22.56	355 00	
Superintendent's Dept., freight, $45.86; labour, $63.32; material, $320.72	429 90	
	$3,633 79	
Less credits: Laboratory deposits, $44.60; sale of material, $45.00	89 60	
		$3,544 19

63. Hygiene and Preventive Medicine

Supplies and apparatus ($2,869.84):		
Walter A. Carveth Co., microscopes repaired	20 00	
Central Scientific Co. of Canada, timers	16 17	
Connaught Laboratories, vaccine, glassware and maintenance of animals	1,059 79	
General Biological Supply House, cultures	13 43	
Grand & Toy, cupboard and shelves	83 10	
Gray Coach Lines, hire of coaches to Connaught Laboratories Farm	400 00	
Mimeograph Co., stencils, paper, etc.	91 02	
Ontario Laundry Co.	33 05	
Postage	16 00	
Robbins & Townsend, typewriter inspection	37 00	
Harry Sparks, field-work reports	69 08	
University Press, printing and stationery	823 08	
Accounts under $10 (3)	17 11	
Sundry disbursements by department	10 00	
Superintendent's Dept., labour, $137.48; material, $43.53	181 01	
Clerical assistance, Miss U. M. Haycock, 10 weeks	120 00	
Cleaner, Mrs. Ada Hall, 250 days	625 00	
	$3,614 84	
Less credit from sale of material	16 85	
		$3,597 99

64. Medicine.

Supplies and chemicals ($1,928.46):		
Acme Farmer's Dairy, milk	37 14	
Allen Mfg. Co., laundry	57 71	
American Medical Association	72 61	
British Drug Houses, needles, chemicals, etc.	122 51	
Canada Packers, Ltd., meat	70 62	
Canadian Kodak Co., chemicals	12 31	
Canadian Laboratory Supplies, chemicals, etc.	185 43	
Canadian Medical Association, reprints	65 00	
Clarendon Press, reprints	34 96	
Connaught Laboratories, adrenal extract, chemicals, etc.	270 00	
Corbett-Cowley, Ltd., uniforms	15 13	
T. Eaton Co., uniforms and food supplies	18 89	
Extension Print, reprints	18 00	
Grand & Toy, guides	11 50	
Ingram & Bell, syringes, needles, chemicals, etc.	196 43	
Lakeview Press, reprints	45 86	

Mead & Johnson, yeast powder	12 94	
Medical Research Department	265 60	
C. V. Mosby & Co., reprints	21 56	
Thos. Nelson & Sons, renewal pages	15 27	
Postage	66 70	
Toronto General Hospital, meat	40 37	
W. Lloyd Wood, Ltd., serum	45 24	
University Press, printing and stationery	78 07	
Accounts under $10 (6)	30 83	
Sundry disbursements by department: Food supplies, $5.09; telegrams and stationery, $8.75; sundries, $6.16	20 00	
Superintendent's Dept., freight, $20.56; material, $77.22	97 78	
Apparatus ($480.25):		
Allen Brock, tonometer repairs	15 00	
C J Bridgland, thyratron stimulator	40 00	
Canadian Laboratory Supplies, thermometers, glassware, chemicals	243 10	
Ingram & Bell, glassware	10 00	
Pathology Dept., shelving	59 58	
Photographic Service, slides	12 00	
Rainbow Lantern Slide Co., slides and charts	18 35	
Robbins & Townsend, typewriter inspection	10 80	
Accounts under $10 (7)	21 93	
Superintendent's Dept., labour, $33.46; material, $16.03	49 49	
Books and periodicals ($678.28):		
Wm. J. Dorman, reprints	14 26	
McAnish & Co., subscriptions	21 37	
University Press, books and subscriptions	617 24	
Accounts under $10 (7)	25 41	
Laboratory cleaning:		
Miss E. Bailey, 52 weeks, 1 day	328 65	
	$3,415 64	
Less credit from sale of moving picture projector, etc.	181 35	
(Charged to Eaton Endowment)	$3,234 29	....

65. Paediatrics.

Supplies and chemicals ($992.53)		
American Medical Association, reprints	$34 23	
Borden & Co., chemicals	58 15	
British Drug Houses, chemicals	48 09	
Canadian Laboratory Supplies, chemicals, etc.	108 04	
Canadian Medical Association, repairs	28 47	
Ditto of Canada, Ltd., carbon, etc.	19 50	
Health League of Canada, reprints	32 00	
Mead Johnson & Co., yeast powder	63 70	
C. V. Mosby & Co., reprints	64 63	
Postage	75 28	
Pure Gold Mfg. Co., flour	40 00	
Quinte Milk Products, casein	70 55	
Wistar Institute of Anatomy & Biology, reprints	13 40	
University Press, printing and stationery	56 20	
Accounts under $10 (18)	86 78	
Sundry disbursements by department: Stationery, telegrams, etc., $13.14; food supplies, $20.25; sundries, $6.61	40 00	
Superintendent's Dept., freight, $13.25; material, $140.26	153 51	
Apparatus ($463.73):		
Canadian Laboratory Supplies, chemicals and glassware	74 80	
Central Scientific Co., glassware	60 11	
J. F. Hartz Co., planimeters, etc.	67 00	
A. S. Hunt, glass-blowing	48 75	
International Equipment, glass tubing, etc.	181 75	
Alexander D. Porter & Associates, air meter	22 31	
Accounts under $10 (2)	9 01	
(Charged to Eaton Endowment)	$1,456 26	....

66. Surgery.

Supplies and apparatus ($1,178.18):		
Allen Mfg. Co., laundry	15 99	
Canadian Pacific Railways, telegrams	10 60	
Corbett-Cowley, Ltd., laboratory coats	119 14	
Pasquale D'Angelo, prints	37 50	
Down Bros., surgical drill	11 60	
T. Eaton Co., chemicals, films, etc.	95 65	
Grand & Toy, book covers and carbons	18 05	
Hospital for Sick Children, surgical supplies	25 00	
International Books, Ltd., subscriptions	20 00	
J. B. Lippincott Co., reprints	25 40	
Lockhart's Camera Exchange, plates, films, etc.	250 27	
Wm. F. McCutcheon & Co., films	13 82	
Medical Research Dept., animals	156 00	
C. V. Mosby & Co., subscriptions	10 69	
Postage	25 08	
Seemor-Selmore System, Ltd., cases, etc.	48 75	
St. Michael's Hospital, surgical supplies	45 35	
Stephens Sales Ltd., stencils and paper	30 91	
Surgical Publishing Co., subscription	12 24	
Taylor Instruments Co., dermatherm repairs	28 36	
Toronto General Hospital, surgical supplies	27 56	
W. R. Woodruff, envelopes	15 75	
University Press, printing and stationery	49 86	
Accounts under $10 (10)	49 60	
Sundry disbursements by department	10 00	
Superintendent's Dept., material	25 01	
Museum of Applied Anatomy ($225.50):		
Bausch & Lomb, balopticon, $117.60; ($68.60 paid from General Expenses)	49 00	
Dr. F. Lewis, fracture apparatus	83 50	
Dr. Geo. Morgan, film	24 50	
Pathology Dept., cupboard	20 00	
J. Frank Raw, surgical drill	48 50	
		$1,403 68

67. Obstetrics and Gynaecology.

Supplies and apparatus:		
Corbett-Cowley, Ltd., laboratory coats	$12 96	
Dr. Nelson Henderson, photographs	70 75	
Sherratt & Hughes, illustrations	32 38	
Dr. H. B. Van Wyck, cards	20 00	
University Press, printing and stationery	22 54	
Accounts under $10 (7)	25 57	
		$187 20

68. Ophthalmology.

(Nothing Spent)

69. Oto-Laryngology.

Supplies and apparatus:		
Annals Publishing Co., subscriptions	$13 13	
Connaught Laboratories, maintenance of animals	187 20	
Wm. M. Fitzhugh, Jr., copies of lectures	12 24	
University Press, printing and stationery	10 00	
Accounts under $10 (4)	12 77	
Superintendent's Dept., labour, $41.04; material $17.59	58 63	
		$293 97

70. Therapeutics.

Supplies and apparatus:		
Ayerst, McKenna & Harrison, drugs	$42 80	
British Drug Houses, chemicals	13 34	
Winthrop Chemical Co., chemicals	120 59	
University Press, printing and stationery	22 75	
Accounts under $10 (2)	3 18	
Sundry disbursements by department	10 00	
	$212 66	
Less amount received through A. H. Squires for purchase of drugs for research purposes	15 00	
		$197 66

71. Psychiatry.

(Nothing Spent)

72. Medical Jurisprudence.

(Nothing Spent)

73. Radiology.

Supplies and apparatus:		
Dr. G. E. Richards and Dr. A. C. Singleton, X-ray films, plates, bulbs, camera, etc.		$949 51

74. Art Service.

(a) Salaries:		
Miss M. T. Wishart, Director	$2,500 00	
Miss D. I. Foster, Assistant Artist	1,400 00	
(b) Expenses:		
Part-time assistance ($57.90):		
Miss E. Blackstock, 50 hours	42 50	
Sundry persons (2)	15 40	
Supplies ($117.78):		
University Press, printing and stationery	49 71	
Accounts under $10 (6)	24 48	
Sundry disbursements by department:		
Laundry, $10.43; stationery and art supplies, $13.51; drugs, hardware, etc., $12.60; sundries, $5.46	42 00	
Superintendent's Dept., labour, $1.11; material, .48c	1 59	
		$4,075 68

75 General Expenses.

Sundry expenses of the Dean:	
Luncheons, teas and dinners in connection with visiting lecturers, etc.	$193 70
Office supplies, stationery, printing, etc. ($2,279.30):	
Association of American Medical Colleges, aptitude test	144 63
Globe and Mail, subscription	18 00
Might Directories	50 70
R. H. Morris, daily papers	22 50
Photographic Service, prints, slides, lantern service, etc.	95 21
Postage	140 52
Robbins & Townsend, typewriter inspection	48 30
Simmons & Sons, funeral wreaths	40 00
Stephens Sales, Ltd., duplicator & cover, $311.78; less allowance on old machine, $75	236 78
Underwood-Elliott-Fisher, Ltd., typewriter	133 65
University Press, printing and stationery	976 76
Accounts under $10 (15)	50 20
Sundry disbursements by Secretary:	
Telegrams, etc., $11.16; stationery and postage, $4.94; sundries, $14.58	30 68
Superintendent's Dept., labour, $7.37; material, $1.50	8 87
Clerical assistance:	
Miss D. Waugh, 10½ weeks (paid also $23.33 from Medical Research)	262 50
A. McClary, messenger service, 2 weeks	20 00
Publications, Calendar, Dean's Report, Medical Bulletin, Lister Lecture ($1,008.29):	
Postage	103 60
University Press, printing and stationery	904 69
Maintenance and equipment of Lecture Theatre ($442.81):	
Bausch & Lomb, part of cost of balopticon (balance paid by Surgery)	68 60
Burke Electric & X-Ray Co., view box, etc.	10 40
Department of Medicine, moving picture projector	175 00
Eastman Photographic Stores, camera repairs. etc.	18 87
Toronto General Hospital, scissors	1 32
Superintendent's Dept., labour, $125.65; material, $42.97	168 62

Medals ($43.05):			
Birks-Ellis-Ryrie, Ltd., engraving		7 05	
John Pinches, medals		36 00	
Association of American Medical Colleges, membership fees		150 00	
		$4,117 15	
Less credit from sale of material		8 00	
			$4,109 15

76. Medical Building.

Heat and light		$4,395 58	
Gas, water and occasional fuel ($1,373.36):			
Gas, $637.65; water, $702.88		1,340 53	
Conger Lehigh Coal Co.		32 08	
Superintendent's Dept., labour		75	
Caretaker's supplies:			
Superintendent's Dept., material		100 41	
Cleaning ($2,036.84):			
Acme Window Cleaning Co.		30 00	
Allen Mfg. Co., laundry		18 72	
Superintendent's Dept., labour		1,988 12	
Repairs and renewals ($2,494.54):			
Wm. Bartlett & son, shades		18 76	
City Treasurer, elevator license		5 00	
Italian Mosiac & Tile Co., tiling		23 85	
W. E. Routery, plaster repairs		173 30	
Superintendent's Dept., labour, $1,674.33; material, $599.30		2,273 63	
Caretaker, F. P. Mottram, 12 mos. (and overtime $2)		1,450 00	
		$11,850 73	
Less heat and light charged to Central Power Plant	$4,395 58		
Credit for cleaning, etc.	25 00		
		$4,420 58	
			$7,430 15

77. Banting Institute.

Heat, Dept. of Public Works, Province of Ontario	$6,000 00	
Gas, $635.39; electric current, $4,335.46; water, $689.78	5,660 63	
Caretaker's supplies:		
Superintendent's Dept., material	496 13	
Cleaning ($5,612.71):		
Acme Window Cleaning Co.	43 00	
Allen Mfg. Co., laundry	55 95	
Butterfield Window Cleaning Co.	54 00	
Superintendent's Dept., labour	5,459 76	
Repairs and renewals ($3,485.06):		
Wm. Bartlett & Son, shades	73 74	
Canadian Fairbanks Morse Co., map truck	105 82	
Canadian General Electric Co., coil, etc.	25 50	
Canadian Ice Machine Co., valve	15 84	
Canadian Powers Regulator Co., repairs to heating system	35 37	
City Treasurer, elevator license	15 00	
Robert Simpson Co., slip covers, curtains, etc.	75 85	
Toronto Hydro-Electric System, repairs to underground cable, etc.	429 35	
Accounts under $10 (7)	37 04	
Superintendent's Dept., labour, $1,897.44; material, $774.11	2,671 55	
New Incinerator ($1,051.00)		
Harkness & Hertzberg, checking roof	10 00	
Hendrie & Co., moving smokestack	8 75	
Taylor Engineering & Construction Co., installing and supplying incinerator	966 00	
Superintendent's Dept., labour, $35.18; material, $31.07	66 25	
Caretaker, H. L. Vickery, 12 mos. (and overtime $16.00)	1,500 00	
	$23,805 53	
Less credit for cleaning, etc.	89 35	
		$23,716 18

78. Anatomical Building.

Heat and light		$2,343 30	
Gas, $27.96; water, $36.03		63 99	
Caretaker's supplies:			
Superintendent's Dept., material		253 44	
Cleaning ($1,907.18):			
Acme Window Cleaning Co.		18 00	
Allen Mfg. Co., laundry		20 18	
Superintendent's Dept., labour		1,869 00	
Repairs and renewals ($1,232.83):			
Armoured Floor Co., re-surfacing		101 00	
City Treasurer, elevator license		10 00	
Johnson Temperature Regulating Co., repairs to heating system		23 23	
Robert Simpson Co., linoleum repairs		9 09	
Vulcan Asphalt & Supply Co., asphalting		20 85	
Superintendent's Dept., labour, $876.24; material, $192.42		1,068 66	
Caretaker, M. J. Shepherd, 12 mos.		1,450 00	
		$7,250 74	
Less heat and light charged to Central Power Plant	$2,343 30		
Credit for cleaning	11 50	$2,354 80	
			$4,895 94

79. Hygiene Building.

Heat and light		$13,250 21	
Gas, $1,502.49; water, $2,233.56		3,736 05	
Caretaker's supplies:			
Superintendent's Dept., material		611 46	
Cleaning ($7,605.67):			
Acme Window Cleaning Co.		50 00	
Allen Mfg. Co., laundry		63 69	
Superintendent's Dept., labour		7,491 98	
Repairs and renewals ($2,240.16):			
Wm. Bartlett & Son, shade repairs		12 25	
City Treasurer, elevator license		20 00	
Johnson Temperature Regulating Co., repairs to heating system		10 98	
John Nelson & Son, plaster repairs		14 25	
W. E. Routery, plaster repairs		104 10	
Service Station Equipment Co., repairs to oil burning equipment		35 45	
Toronto Hydro Electric System, transformer oil test		14 13	
Superintendent's Dept., labour, $1,590.63; material, $438.37		2,029 00	
Caretaker, J. Irwin, 12 mos. (and overtime, $10)		1,450 00	
		$28,893 55	
Less heat and light charged to Central Power Plant	$13,250 21		
Credits for cleaning and for share of gas, water and electric current, etc.	6,037 34	$19,287 55	
			$9,606 00

Charged to Revenue 1938-39	$439,874 00
Charged to Eaton and Rockefeller Funds	4,690 55
	$444,564 55

VIII. SCHOOL OF HYGIENE

80. Salaries.

(1) Administration:	
J. G. FitzGerald, Director (on leave of absence—paid also by Connaught Laboratories)	$5,000 00
J. Craigie, Secretary (paid also $500 as Assistant Professor—see below; and by Connaught Laboratories)	500 00
Keith M. Kerns, Office Assistant (part-time—paid also by Connaught Laboratories)	350 00

(2) Epidemiology and Biometrics:		
R. D. Defries, Associate Director, School of Hygiene and Professor of Hygiene and Epidemiology (see also Department of Hygiene—paid also by Connaught Laboratories)	3,500 00	
N. E. McKinnon, Associate Professor, Hygiene and Epidemiology (paid also by Connaught Laboratories)	1,000 00	
Assistant Professors:		
Miss Mary A. Ross, Biometrics	2,400 00	
J. Craigie, Epidemiology (see Administration above)	500 00	
A. E. Berry, Lecturer, Public Health Engineering (Sessional—see also Civil Engineering: Municipal and Structural)	500 00	
A. H. Sellers, Demonstrator, Biometrics (Sessional)	350 00	
Clinical Associates, Epidemiology (Sessional—part time):		
A. L. McKay	200 00	
J. T. Phair (paid also $40. in School of Nursing)	200 00	
Laboratory Assistants, Biometrics:		
W. Moore	750 00	
Miss S. R. McCausland (paid also in Connaught Laboratories)	414 00	
W. Deyman, from 7 September to 30 June	490 00	
S. Raven, resigned 31 July	78 33	
Robert Randall, Secretary (on leave of absence without salary from 1 February to 30 June)	641 67	
(3) Physiological Hygiene:		
C. H. Best, Acting Head of Department (without salary—see also Department of Physiology and Special Research)	....	
Assistant Professors:		
D. L. McLean (paid also by Connaught Laboratories	2,900 00	
E. W. McHenry (paid also by Connaught Laboratories)	1,100 00	
J. G. Cunningham, Lecturer, Industrial Hygiene (Sessional)	500 00	
Research Associates:		
H. M. Barrett, Industrial Hygiene	2,700 00	
Miss J. H. Ridout @ $1,200 of which $400 charged to Medical Research-Best Fund (paid also in Connaught Laboratories)	750 00	
Mrs. Ruth C. Partridge (part time)	500 00	
D. Y. Solandt (paid also $3,500. as Professor of Physiology)	300 00	
Miss E. L. Mahon, Secretary	1,200 00	
C. R. Cowan, Senior Technical Assistant, @ $2,100, of which $600 charged to Medical Research-Best Fund	1,500 00	
W. Staples, Technical Assistant	950 00	
(4) Chemistry in relation to Hygiene:		
P. J. Moloney, Associate Professor (paid also by Connaught Laboratories)	2,800 00	
Miss E. M. Taylor (Sessional—paid also by Connaught Laboratories)	500 00	
G. Kimm, Technical Assistant	900 00	
		$33,474 00

81. Maintenance of Department.

(1) Administration ($513.61):	
Office Specialty Mfg. Co., guides, folders, etc.	30 10
Postage	50 00
Telephone Service	356 40
University Press, printing and stationery	59 64
Accounts under $10 (2)	7 47
Sundry disbursements by department	10 00
(2) Epidemiology and Biometrics ($272.00):	
Canadian Medical Association, reprints	11 40
Canadian Public Health Association, reprints	13 44
Joseph McDowell & Co., overhauling machines	18 00
Mimeograph Co., stencils, paper, etc.	66 00
Postage	10 00
University Press, printing and stationery	105 75
Accounts under $10 (6)	39 69
Superintendent's Dept., labour, $6.00; material, $1.72	7 72
(3) Physiological Hygiene ($399.71):	
Canadian Kodak Sales, Ltd., chemicals	1,580 00
R. H. Chappell, glass-blowing	21 35

Connaught Laboratories, maintenance of animals, towels, chemicals, etc.	333 65	
Hoffman La Roche, Ltd., chemicals	16 24	
Accounts under $10 (4)	12 67	
(4) Chemistry in Relation to Hygiene ($280.08):		
British Drug Houses, chemicals	13 39	
Canadian Laboratory Supplies	235 38	
Accounts under $10 (3)	9 54	
Sundry disbursements by department	10 00	
Superintendent's Dept., labour, $10.38; material, $1.39	11 77	
	$1,465 40	
Less paid by School of Nursing	400 00	
		$1,065 40
(Charged to Rockefeller Fund Hygiene)		$34,539 40

IX. FACULTY OF APPLIED SCIENCE

82. Salaries.

Dean's Office.

C. H. Mitchell, Dean	$6,000 00	
		$6,000 00

Electrical Engineering

H. W. Price, Professor and Head of Department (on leave of absence from 1 March for balance of Session)	$5,500 00	
Associate Professors:		
A. R. Zimmer	4,200 00	
V. G. Smith	3,600 00	
G. F. Tracy (Sessional)	3,600 00	
B. deF. Bayly, Assistant Professor	3,200 00	
Lecturers (Sessional):		
R. J. Brown	2,300 00	
J. E. Reid	1,800 00	
L. S. Lauchland, Instructor (Sessional)	1,500 00	
Demonstrators (Sessional):		
C. J. Bridgland	1,150 00	
E. A. Ricker	1,150 00	
R. G. Anthes	1,050 00	
L. G. Macdougall	1,050 00	
C. W. Galbraith	1,000 00	
G. T. Hodgson	1,000 00	
R. H. Haubner, 5 mos.	714 28	
W. M. Foster, 2 mos. (resigned)	285 72	
T. E. Flinn	100 00	
W. C. Moull	100 00	
J. W. Lawson, Mechanician	2,000 00	
W. R. McKee, Electrician	2,000 00	
W. L. Bakewell, Assistant Electrician	1,100 00	
Miss H. L. Redmond, Office Assistant and Librarian, @ $1,050., of which half charged to Civil Engineering: Municipal and Structural	525 00	
		$38,925 00

Mechanical Engineering.

Professors:		
R. W. Angus	$6,000 00	
E. A. Allcut (paid also $210 for Extension Work)	4,800 00	
Associate Professors:		
Ross Taylor	3,600 00	
W. G. McIntosh (paid also $200 for Extension Work)	3,500 00	
Lecturers (Sessional):		
G. R. Lord	2,500 00	
R. C. Wiren	2,100 00	
G. H. Hally	1,900 00	
F. G. Ewens, Demonstrator, 5 mos.	1,071 45	

Demonstrators, Hydraulics (Sessional):		
J. W. Fry	1,050 00	
C. A. Ernst	1,000 00	
W. E. B. Parker	600 00	
Demonstrators, Machine Design (Sessional):		
I. W. Smith	1,050 00	
J. B. Treloar	1,050 00	
Demonstrators, Thermodynamics (Sessional):		
R. J. Birss (paid also $660 in Special Research)	1,100 00	
A. S. Foreman	1,050 00	
W. A. Wallace	1,050 00	
F. Hickey, Engineer and Machinist	2,000 00	
A. Savage, Assistant Machinist, 1806 hrs. @ 70c	1,264 20	
Earl Burt, Fireman, 1508 hrs. @ 50c	754 00	
J. Flanagan, 2144 hrs. @ 50c	1,072 00	
Miss M. Burt, Office Assistant and Librarian	1,150 00	
		$39,661 65

Civil Engineering: Municipal and Structural.

Professors:		
C. R. Young	$5,500 00	
T. R. Loudon, Applied Mechanics	5,000 00	
Assistant Professors:		
C. F. Morrison	2,700 00	
W. L. Sagar	2,700 00	
Robert F. Legget	2,600 00	
Lecturers (Sessional):		
M. J. C. Lazier	2,500 00	
Robert B. McIntyre	1,800 00	
A. E. Berry, Special Lecturer, Municipal Engineering (Sessional—paid also $500 in School of Hygiene)	1,000 00	
C. E. Helwig, Demonstrator (Sessional)	1,350 00	
W. Kubbinga, Mechanician	1,300 00	
J. Brown, Laboratory Assistant, 10 mos.	1,100 00	
Miss H. L. Redmond (see also Electrical Engineering)	525 00	
		$28,075 00

Civil Engineering: Surveying and Geodesy.

W. M. Treadgold, Professor and Head of Department (paid also $562.50 for Summer Camp)	$4,500 00	
Associate Professors:		
S. R. Crerar (paid also $500 for Summer Camp)	4,000 00	
E. W. Banting (paid also $475 for Summer Camp)	3,800 00	
J. W. Melson (paid also $450 for Summer Camp)	3,600 00	
T. L. Rowe, Instructor (Sessional—paid also $142.50 for Summer Camp)	1,500 00	
E. A. Russell, Demonstrator (Michaelmas Term)	400 00	
H. V. Steer, Mechanician @ $925 of which $500 charged to Applied Physics	425 00	
Miss R. Cave, Office Assistant and Librarian @ $1,250. of which $525 charged to Applied Physics and $100 to Photographic Service	625 00	
		$18,850 00

Mining Engineering.

Professors:		
H. E. T. Haultain, @ $6,000.; retired 8 August	$624 73	
C. G. Williams, also Head of Department @ $6,000 from 1 September	5,000 00	
F. C. Dyer, Ore Dressing (leave of absence for Michaelmas Term—retired 30 June)	4,500 00	
J. T. King	4,300 00	
S. E. Wolfe, Lecturer (Sessional)	2,100 00	
Demonstrators (Sessional):		
W. T. Turrall(paid also $366.67 from Special Fund)	1,300 00	
W. A. M. Hewer	1,200 00	
T. A. Frankish	1,150 00	
R. H. Junker	1,150 00	

E. Tozer, Laboratory Assistant and Mechanician	1,500 00	
C. Waybrant, Laboratory Attendant, Assaying	1,300 00	
H. J. Reilly, Assistant Mechanician, 32 wks. from 24 September	960 00	
Laboratory Helpers, 30 wks. from 26 September:		
Clarence Rickard	430 00	
Hubert Chappell	430 00	
Miss J. Bradshaw, Office Assistant and Librarian	1,100 00	
		$27,044 73

Metallurgical Engineering.

G. A. Guess, Professor	$5,700 00	
Associate Professors:		
J. A. Newcombe (paid also $300 for Extension Work)	3,800 00	
R. J. Montgomery	3,700 00	
J. E. Toomer, Assistant Professor	3,450 00	
Hector Ross, Laboratory Attendant, 10 mos. (paid also $40 from General Expenses)	800 00	
Miss M. Morris, Office Assistant and Librarian (7½ mos. @ $637.50 of which $382.50 charged to Secretary's Office)	255 00	
		$17,705 00

Chemical Engineering and Applied Chemistry.

Professors:		
J. Watson Bain	$5,500 00	
M. C. Boswell, Organic Chemistry	4,900 00	
E. G. R. Ardagh, Applied Chemistry	4,500 00	
Assistant Professors:		
E. A. Smith	3,400 00	
R. R. McLaughlin	3,100 00	
W. C. Macdonald, Lecturer (4 mos.—paid also $125 in Special Research)	1,025 00	
Instructors (Sessional):		
A. M. FitzGerald	1,600 00	
J. G. Breckenridge	1,500 00	
G. P. Beal (paid also $100 for Extension Work and $200 in Special Research)	1,400 00	
Demonstrators (Sessional):		
W. H. Rapson (paid also $450 in Special Research)	1,200 00	
N. R. Fasken (paid also $450 in Special Research)	1,100 00	
M. Adelman	1,050 00	
B. Marks (paid also $300 in Special Research)	1,050 00	
A. S. Weatherburn (paid also $400 in Special Research)	1,050 00	
Demonstrators (half time—Sessional):		
L. E. Horembala	607 00	
L. W. Smith @ $500 (resigned 15 March)	393 00	
Special Lecturers (Sessional):		
A. V. De Laporte, Sanitary Chemistry	150 00	
T. Linsey Crossley, Pulp and Paper	100 00	
A. S. Hunt, Lecture Assistant and Glass-blower	1,750 00	
F. Westhead, Laboratory Assistant	1,200 00	
M. L. Hammond, Lecture Assistant	1,000 00	
W. T. Storton, Laboratory Attendant	900 00	
Laboratory Attendants @ $10 per wk.:		
J. Seymour, 40 wks. 2½ days	404 99	
E. Paterson, 35 wks.	350 00	
W. Connor, 34 wks.	340 00	
G. Quigley, 18 wks.	180 00	
H. Clement, 17 wks.	170 00	
D. Chalmers, 13 wks.	130 00	
B. Woods, 6 wks. 1 day	61 67	
J. Smith, 4 wks. 2 days	43 34	
Miss D. Birkett, Office Assistant and Librarian @ $1,250 of which $200 charged to Secretary's Office	1,050 00	
		$41,205 00

School of Architecture

Professors:		
H. H. Madill	$4,700 00	
E. R. Arthur, Architectural Design	4,500 00	

H. J. Burden, Assistant Professor	3,200 00	
W. E. Carswell, Lecturer (Sessional)	2,550 00	
Miss J. C. Laing, Librarian and Instructor, Architectural History and French	1,900 00	
Instructors (part time—Sessional):		
C. W. Jefferys, Painting	1,500 00	
F. Coates, Modelling	950 00	
MacKenzie Waters, Special Instructor, Architectural Design (Sessional)	1,000 00	
Special Lecturers (Sessional):		
A. S. Mathers	900 00	
W. S. Wilson, Architectural Economics (see also Secretary's Office)	250 00	
H. S. M. Carver, Town Planning (paid also $350 in Special Research)	250 00	
H. B. Dunington-Grubb, Landscape Architecture	100 00	
G. A. Arksey, Attendant in Drafting Room, 8 mos.	800 00	
Miss E. W. Dyer, Office Assistant @ $840 of which $340 charged to Engineering Drawing	500 00	
		$23,100 00

Engineering Drawing

J. R. Cockburn, Professor, Descriptive Geometry	$5,000 00	
Associate Professors:		
W. J. Smither	4,200 00	
W. J. T. Wright (paid also $300 as Special Lecturer, Technical English)	4,000 00	
Assistant Professors:		
W. B. Dunbar	2,800 00	
A. Wardell	2,800 00	
Lecturers (Sessional):		
P. V. Jermyn	2,400 00	
J. J. Spence	2,100 00	
Instructors (Sessional):		
R. M. Clark	1,600 00	
G. R. Edwards	1,600 00	
Demonstrators (Sessional):		
J. M. Carswell	1,400 00	
A. C. Davidson	1,000 00	
W. E. Ewens	1,000 00	
D. P. Scott	1,000 00	
J. A. C. Bowen (3 mos.)	500 00	
C. E. Lingren (part-time)	500 00	
George Brown, Attendant in Drafting Room, 9 mos.	1,100 00	
Miss E. W. Dyer, Office Assistant (see also School of Architecture)	340 00	
Miss M. Dyer, Stenographer (part time—1 mo.)	40 00	
		$33,380 00

Applied Physics

K. B. Jackson, Associate Professor	$3,600 00	
V. L. Henderson (Sessional)	1,850 00	
L. E. Jones, Instructor (Sessional—paid also $175 in Special Research)	1,600 00	
Demonstrators (Sessional):		
W. A. Mohun (paid also $300 in Special Research)	1,200 00	
E. L. Dodington	1,100 00	
D. H. Hamly (see also Botany, Faculty of Arts)	550 00	
H. V. Steer, Mechanician (see also Civil Engineering: Surveying and Geodesy)	500 00	
Miss R. Cave, Office Assistant and Librarian (see also Civil Engineering: Surveying and Geodesy)	525 00	
		$10,925 00

Special Lectures

Special Lecturers (Sessional):		
R. E. Laidlaw, Engineering Law	$500 00	
R. R. Grant, Accountancy and Business	300 00	

W. J. T. Wright, Technical English (see also Engineering Drawing)	300 00	
F. H. Kirkpatrick, Public Speaking	250 00	
		$1,350 00

Secretary's Office

W. S. Wilson, Secretary (paid also $250 in School of Architecture)	$3,300 00	
Miss E. Birkett, Assistant Secretary	1,750 00	
Miss M. Fenton, Assistant	1,150 00	
Stenographers:		
Miss D. Birkett (see also Chemical Engineering)	200 00	
Miss M. Morris (see also Metallurgical Engineering)	382 50	
A. Dykeman, Office Assistant	800 00	
		$7,582 50
		$293,803 88

83. Electrical Engineering

Supplies ($2,067.43):		
Aikenhead Hardware, Ltd., hardware	$106 99	
Belden Mfg. Co., terminals	13 86	
Canada Wire & Cable Co., wire	82 53	
Canadian General Electric Co., cylinders, etc.	26 43	
Canadian Hanson & Van Winkle Co., solvent	11 40	
Canadian Industries, Ltd., acids	11 49	
Canadian Laboratory Supplies, acids	11 74	
Canadian National Carbon Co., batteries	79 46	
Canadian Wire & Cable Co., cables, etc.	30 58	
Central Scientific Co., condenser, compass, etc.	25 93	
Crouse-Hinds Co., receptacles	75 44	
Darrell Corporation, castor sets	12 72	
Diamond State Fibre Co., tubing	25 02	
Driver Harris Co., wire	27 61	
T. Eaton Co., tools, etc.	32 41	
Exide Batteries of Canada	12 11	
General Radio Co., resistance units	340 67	
D. Gestetner, Ltd., paper, stencils, etc.	74 63	
George Gorton Machine Co., filter, etc.	13 85	
John Leckie Ltd., wire, links, etc.	16 02	
Leeds & Northrup Co., electrical repairs, etc.	38 46	
W. R. McKee, electrical repairs	18 40	
Instruments Ltd., drawing sets	20 91	
Photographic Service, prints, slides, etc.	52 95	
Postage	32 00	
Pratt, Whitney Co., cutters, etc.	50 75	
Receiver General of Canada, radio station license	15 10	
Swedish General Electric Ltd., armature repairs	12 50	
Weston Electric Instrument Co., resistors, etc.	23 77	
Wholesale Radio Co., radio parts	102 25	
University Press, printing and stationery	64 67	
Accounts under $10 (19)	97 87	
Sundry disbursements by department:		
Hardware, $16.20; stationery, telegrams, etc. $21.28; sundries, $5.91	43 39	
Superintendent's Dept., freight, $54.61; labour, $177.65; material, $231.26	463 52	
Apparatus ($994.50):		
Asca-Swedish General Electric Ltd., transformers	138 00	
Burlee, Ltd., cathode ray oscillograph	206 25	
Canadian General Electric Co., switch boxes	35 38	
Dominion Electrohome Industries, Ltd., motor	4 30	
General Radio Co., oscillator, etc.	610 57	
Furniture, printing and incidentals ($41.15):		
D. Gestetner, Ltd., stencils	7 67	
University press, printing and stationery	33 48	
	3,103 08	
Less credits: Laboratory deposits, $32.95; gas tax refund, 24c	33 19	
		$3,069 89

84. Mechanical Engineering

Supplies ($752.95):		
Aikenhead Hardware, Ltd., hardware	$91 17	
Babcock-Wilcox-Goldie McCulloch, Ltd., metalic hose	21 65	
Garlock Packing Co., packing	45 43	
Arthur H. Leitch, indicator cord	13 27	
McColl Frontenac Oil Co., oil, etc.	55 60	
Postage	30 00	
Scythes & Co., waste	17 49	
Taylor Instrument Co.	22 68	
University Library, replacing books lost	13 50	
Williams & Wilkins, Ltd., bricks	11 70	
Worr Foundry Co., grate boilers	98 50	
Accounts under $10 (14)	75 34	
Sundry Disbursements by department	12 25	
Superintendent's Dept., labour, $36.12; material, $208.25	244 37	
Apparatus—Thermodynamics ($376.82):		
Brown & Sharpe Mfg. Co., micrometer, etc.	26 88	
Canadian Ice Machine Co., installing parts	33 65	
Taylor Instrument Co., thermometers	30 00	
Worr Foundry Co., grate bars	98 50	
Alex Wright & Co., colorimeter	161 25	
Superintendent's Dept., freight, .78; labour, $17.93; material, $7.83	26 54	
Apparatus—Hydraulics ($36.96):		
Dunlop Tire & Rubber Goods, rubber rings	17 08	
Monarch Belting Co., cups	19 88	
Furniture, printing and incidentals ($188.04):		
Photographic Service, prints	20 61	
University Press, printing and stationery	167 43	
	$1,354 77	
Less credits: Laboratory deposits, $6.45; sale of material, $105.05	111 50	
		$1,243 27

85. Civil Engineering: Municipal and Structural.

Supplies ($615.64):		
Aikenhead Hardware Ltd., hardware	$84 16	
Baines & David, steel	52 89	
Canada Building Materials, Ltd., cement	12 78	
Canadian Laboratory Supplies, Ltd., glassware	79 76	
McBain Foundry, test bars	10 51	
Photographic Service, blueprints and photostats	34 53	
Postage	34 00	
Robbins & Townsend, overhauling typewriter	20 00	
University Press, printing and stationery	77 85	
Accounts under $10 (9)	42 00	
Superintendent's Dept., freight, $10.41; labour, $72.19; material, $84.56	167 16	
Apparatus ($2,483.96):		
Canadian Laboratory Supply Co., filter, etc.	19 60	
Canadian Toledo Scale Co., fatigue testing machine	1,907 78	
Crane Ltd., nipple ends	10 55	
Dominion Bridge Co., metal plates	14 95	
E. Ellerbeck, table	14 50	
Norton & Co., discs, etc.	14 04	
Office Specialty Mfg. Co., book case and chair	69 75	
Potts Pattern & Machine Co., castings	12 47	
Tordoff Electric Co., used motor	12 00	
W. S. Tyler Co., sieves	37 03	
A. R. Williams Machinery Co., bench, lathe, etc.	280 20	
Accounts under $10 (3)	18 32	
Superintendent's Dept., labour, $37.03; material, $35.74	72 77	
	$3,099 60	
Less credits: Laboratory deposits, $12.35; sales of material, $34.60	46 95	
		$3,052 65

86. Civil Engineering: Surveying and Geodesy.

Supplies ($444.89):		
Aikenhead Hardware, Ltd., hardware	$39 10	
Art Metropole, tape, chains, arrows, etc.	127 15	
Instruments, Ltd., rods and poles	90 30	
Thos. Pocklington Co., transit repairs	56 75	
Toronto Police Dept., recovery of stolen linen tapes	19 75	
University of Toronto Engineering Society, field books and supplies	13 40	
University Press, printing and stationery	22 89	
Accounts under $10 (5)	20 82	
Sundry disbursements by department	10 00	
Superintendent's Dept., labour, $12.38; material, $31.90	44 73	
Apparatus:		
Instrument's Ltd., stereoscope, $1,092.50 less $750. paid in 1937-38—$342.50 transit $333.36	675 86	
Summer Survey Camp—Maintenance:		
Instructional Staff ($2,531.80):		
W. M. Treadgold, services, $562.50; living expenses, $66.25; travelling expenses, $20	648 75	
S. R. Crerar, services, $500; living expenses, $48.75; travelling expenses, $20; supplies, $2.30	571 05	
E. W. Banting, services; $475; living expenses, $66.25; travelling expenses, $20; supplies, $2	563 25	
J. W. Melson, services, $450; living expenses, $66.25; travelling expenses, $20	536 25	
T. L. Rowe, services, $142.50; living expenses, $50; travelling expenses, $20	212 50	
Sundry expenses ($2,664.19):		
Britnell's Bakeries, bread	54 36	
T. E. Campbell, firewood	98 50	
T. Eaton Co., dishes, utensils, etc.	67 75	
Hewitt Bros., cartage	121 80	
Hydro-Electric Power Commission, service	68 88	
Kawartha Lumber Co., lumber	111 01	
A. Langdon, survey stakes	16 35	
W. A. Lindop, gasoline and oil	40 84	
Loblaw Groceterias, provisions	1,071 40	
Mrs. J. Minto, milk and vegetables	182 70	
L. A. Pritchard, electric wiring	488 00	
S. W. Welch, provisions	219 63	
Accounts under $10 (4)	6 16	
Superintendent's Dept., labour, $24.00; material, $92.81	116 81	
Payments to help ($896.00):		
J. E. Minto, caretaker, 12 mos. $240; building and repairs, $221; ice supply, $35	496 00	
Mrs. J. E. Minto, cook	400 00	
	$7,212 74	
Less credits: Board at Summer Camp, $2,469,25; laboratory deposits, $280; Hydro Electric Power easement rights, $35; light, (caretaker) $18.92	2,803 17	
		$4,409 57

87. Mining Engineering.

Supplies ($2,686.34):	
Aikenhead Hardware, Ltd., hardware	37 37
W. Ainsworth Sons, weights	21 96
Baker Platinum, Ltd., silver wire, etc.	35 69
Boeckh Co., brushes	16 63
Canadian Laboratory Supplies, glassware	140 19
Canadian Mining & Metallurgical Bulletin, reprints	37 80
Central Scientific Co., chemicals and glassware	297 50
Codex Book Co., paper	26 44
Denver Fire Clay Co., crucibles	201 78
Dominion Glass Co., jars	19 73
Eastman Photographic Stores, films and chemicals	20 20
T. Eaton Co., rubber gloves, towels, linoleum, etc.	86 72
Fletcher Russell Co., muffle support	73 77

A. S. Hunt, glass-blowing	10 00	
Imperial Oil, Ltd., oil	44 70	
Johnson Matthey & Co., alloy	37 17	
Macdonald Mfg. Co., tins	18 43	
Morgan Crucible Co., scorifier, etc.	114 33	
Nichols Chemical Co., acids	30 40	
Photographic Service, chemicals, prints, etc.	13 78	
Postage	40 00	
Railway & Power Engineering Corporation, cement	15 00	
J. Frank Raw, blueprints	12 79	
Safety Supply Co., filters, goggles, etc.	25 70	
T. S. Sims Co., brushes	38 91	
Sturtevant Mill Co., discs ground	18 57	
Superior Mfg. Co., rubber stamps, etc.	12 91	
W. S. Tyler Co. of Canada, sieves and pans	207 35	
Van Camp, Ltd., soda ash	14 63	
University Library, replacing books lost	54 26	
University Press, printing and stationery	457 34	
Accounts under $10 (13)	69 61	
Superintendent's Dept., freight, $92.24; labour, $95.99; material, $246.45	434 68	
Apparatus ($1,763.87):		
Adams, Powell, Stark Electric Co., electric motor	55 00	
Canadian Ingersoll-Rand Co., tools	31 02	
Canadian Laboratory Supplies, electrodes, etc.	162 68	
Canadian Toledo Scale Co., scale	65 00	
Walter A. Carveth & Co., microscopes, etc.	215 60	
Denver Fire Clay Co., fire clay	310 00	
T. Eaton Co., linoleum, trimmer, etc.	13 32	
Grand & Toy, desks, chairs, etc.	94 50	
A. S. Hunt, glass-blowing	35 00	
W. R. McKee, electrical repairs	51 00	
Mine & Smelter Supply Co., disc	13 73	
Office Specialty Mfg. Co., shelving	59 19	
C. Tarling & Co., mounting paper	31 50	
Underwood-Elliott-Fisher, Ltd., typewriter	153 90	
Accounts under $10 (4)	18 35	
Superintendent's Dept., labour, $294.18; material, $159.90	454 08	
	$4,450 21	
Less credits: Laboratory deposits, $286.50; sale of material, $36	322 50	
		$4,127 71

88. Metallurgical Engineering (including Ceramics).

Supplies ($444.35):		
Atlas Steels Ltd., metal	$15 37	
Miss D. Birkett, typewriting	10 00	
Canada Metal Co., metal	14 92	
Canadian Laboratory Supplies, glassware and chemicals	50 53	
Canadian Liquid Air Co., gas and rental of cylinders	14 76	
Central Scientific Co., generators, chemicals, etc.	88 04	
Eastman Photographic Stores, plates and chemicals	112 15	
University Press, printing and stationery	60 72	
Accounts under $10 (11)	54 98	
Superintendent's Dept., material	22 88	
Apparatus ($995.42):		
Art Metropole, micro lamp, lens, etc.	60 86	
Canadian Laboratory Supplies, balances, crucibles, etc.	159 03	
Walter A. Carveth & Co., microscopes	252 00	
Eastman Photographic Stores, lamps	14 80	
W. H. Kubbinga, machine work	26 52	
Johnson Matthey & Co., platinum wire	37 10	
Pewabic Pottery, tiles and tubes	14 15	
Walker Metal Products, Ltd., alloys	13 48	
Accounts under $10 (2)	10 08	
Superintendent's Dept., labour, $249.02; material, $158.38	407 40	
	$1,439 77	
Less credit for material returned	10 50	
		$1,429 27

89. Chemical Engineering and Applied Chemistry.

Supplies ($7,635.86):		
Aikenhead Hardware, Ltd., hardware	$18 63	
Armstrong Cork & Insulation Co., corks	80 56	
B. & A. Printing House, forms	32 94	
British Drug Houses, chemicals	182 68	
Canadian Hansom & Van Winkle, chemicals	18 81	
Canadian Industries, chemicals	32 67	
Canadian Laboratory Supplies, chemicals and glassware	2,891 72	
Canadian Liquid Air Co., gas and rental of cylinders	144 78	
Central Scientific Co., glassware, etc.	322 01	
Chemical Dept., chemical analysis	25 00	
Consumer's Gas Co., meter	10 00	
Consumer's Glass Co., bottles and caps	25 94	
Coulter Copper & Brass Co., tubes, spinnings, etc.	28 08	
Dominion Glass Co., bottles	17 60	
Dominion Oxygen Co., gas	136 59	
T. Eaton Co., cabinet	11 65	
General Steel Wares, pails	49 10	
Ingram & Bell, glycerine, bandages, etc.	12 29	
Kelvinator of Canada, Ltd., chemicals, etc.	12 80	
Lake Simcoe Ice & Fuel, Ltd., ice	50 64	
Liquid Carbonic Canadian Corporation, gas	40 00	
McIntyre & Taylor, iron ring	33 11	
W. R. McKee, electrical repairs	24 50	
Mallinckrodt Chemical Works, chemicals	117 42	
Merck & Co., chemicals	221 82	
Mrs. E. Kuitunen, translations	12 00	
Nichols Chemical Co., chemicals	881 92	
Photographic Service, slides and prints	35 78	
Thos. Pocklington Co., overhauling balances	150 00	
Standard Chemical Co., columnian	54 00	
Textile Products, hand towels	127 50	
Twisswire Brushes, Ltd., brushes	19 60	
Wilson Scientific Co., glassware	51 78	
University Press, printing and stationery	330 90	
Accounts under $10 (23)	105 67	
Sundry disbursements by department:		
Chemicals, hardware, etc., $16.14; stationery, postage, etc., $26.98; sundries, $12.17	55 29	
Superintendent's Dept., freight, $12.81; labour, $749.08; material, $508.19	1,270 08	
Apparatus ($1,567.79):		
Canadian Laboratory Supplies, balances, electric oven, etc.	522 60	
Central Scientific Co., pyrometer, pump, etc.	244 51	
A. Gallenkamp & Co., furnace parts	18 07	
Johnson Matthey & Co., crucible cones	116 76	
Leeds & Northrup Co., galvanometer resistance	86 25	
Refrigeration Service Co., refrigerator parts	245 00	
Wilson Scientific Co., scales	122 50	
Wood Alexander & James, Ltd., drill vise, etc.	52 07	
Superintendent's Dept., labour, $87.00; material, $73.03	160 03	
	$9,203 65	
Less credits: Laboratory deposits, $1,293.18; sale of material, $9.09	1,302 27	
		$7,901 38

90. School of Architecture.

Supplies ($500.01):	
Aikenhead Hardware, Ltd., hardware	$49 57
Artists Supply Co., drawing paper	15 00
F. Baker, caretaker's overtime services	16 25
Beaux Arts Institute of Design, programme service	51 18
E. Harris & Co., colours	13 58
Photographic Service, prints and slides	108 40
Postage	11 00
Robbins & Townsend, typewriter inspection	10 80
C. L. Todd, subscription	11 00

University of Toronto Engineering Society, ink	10 80	
University Press, printing and stationery	65 10	
Accounts under $10 (9)	31 77	
Sundry disbursements by department	12 31	
Superintendent's Dept., freight, $27.97; labour, $12.89; material, $52.39	93 25	
Apparatus:		
Superintendent's Dept., labour, $67.12; material, $42.58	109 70	
Models for life Class:		
Prof. H. H. Madill, reimbursement for payments made	30 00	
Staff Expenses—outdoor sketching classes:		
Prof. H. H. Madill, expenses (three members of staff)	102 01	
		$741 72

91. Engineering Drawing.

Supplies ($282.62):		
Keuffel & Esser Co., slide rule	$23 00	
Photographic Service, prints	30 04	
Postage	10 00	
Receiver General of Canada, photographs	10 00	
University of Toronto Engineering Society	29 30	
University Press, printing and stationery	39 22	
Accounts under $10 (9)	26 85	
Superintendent's Dept., labour, $97.23; material, $16.98	114 21	
Apparatus ($192.35):		
Department of National Defense, photographs	24 24	
University of Toronto Engineering Society	50 00	
Superintendent's Dept., labour, $59.54; material, $58.57	118 11	
Printing instruction sheets ($138.06):		
D. Gestetner, Ltd., stencils, ink and paper	89 82	
University Press, printing and stationery	47 84	
Superintendent's Dept., freight	40	
	$613 03	
Less credit from Laboratory deposits	18 50	
		$594 53

92. Applied Physics.

Supplies ($558.62):		
Aikenhead Hardware, Ltd., hardware	$73 55	
W. E. Booth Co., film	16 89	
Brigdens, Ltd., film	10 80	
Canadian General Electric Co., lamps	10 37	
Canadian National Carbon Co.	12 12	
Walter A. Carveth & Co., masks, slide boxes, etc.	28 64	
Eastman Photographic Stores, film	11 78	
T. Eaton Co., plates, chemicals, books, etc.	21 23	
D. Gestetner Ltd., ink, stencils, etc.	24 52	
Grand & Toy, Ltd., stapler, duplicator, etc.	14 75	
Photographic Service, chemicals, prints, etc.	48 14	
University of Toronto Engineering Society	41 14	
University Press, printing and stationery	60 84	
Accounts under $10 (15)	62 93	
Sundry disbursements by Department	10 00	
Superintendent's Dept., freight, $11.18; labour, $19.39; material, $80.35	110 92	
Apparatus ($1,471.30):		
Aikenhead Hardware Ltd., hardware	25 60	
S. Bane, barometer, repairs	15 00	
Bausch & Lomb Optical Co., lenses, etc.	11 47	
Canadian General Electric Co., meters, etc.	24 25	
Walter A. Carveth & Co., camera parts	288 63	
T. Eaton Co., meters	24 07	
General Radio Co., condenser	91 06	
M. P. Hofstetter, calculating machine	150 00	
Instruments, Ltd., drafto machine	16 25	
Keuffel & Esser, slide rules	58 31	
Leeds & Northrup Co., discs, etc.	30 00	
W. R. McKee, electrical repairs	68 03	

Mitchell & McGill, steel shelving	90 00	
Moore Type Foundry, cabinet, drawers, etc.	26 46	
Paquin Camera Works, condenser	15 00	
Ryerson Press, copes	140 00	
M. J. Short, stereo camera	65 00	
Wholesale Radio Co., radio parts	18 70	
Accounts under $10 (11)	58 93	
Superintendent's Dept., labour, $176 66; material, $77.88	254 54	
	$2,029 92	
Less credit from Laboratory deposits	93 00	
		$1,936 92

93. General Expenses.

Stationery, printing calendar, office supplies and incidentals ($2,566.69):		
Burroughs Adding Machine Co., rental, etc.	$17 35	
Canadian National Telegraphs	16 83	
D. Gestetner, Ltd., stencils, ink, etc.	67 12	
Might Directories, city directory	43 20	
Photographic Service, prints, etc.	249 37	
Postage	278 50	
University of Toronto Engineering Society, sketch pads	23 60	
University Press, printing and stationery	1,723 19	
Accounts under $10 (7)	36 00	
Sundry disbursements by Secretary	15 00	
Superintendent's Dept., labour, $81.77; material, $14.76	96 53	
Clerical assistance ($103.85):		
Miss L. Cotton, 2 1/6 weeks	32 50	
Miss M. McDonald, 2 weeks	28 00	
Miss A. Whyte, 1 2/3 weeks	23 35	
Mrs. M. Nixon, 5 days	20 00	
Messenger service:		
H. Ross, 4 weeks	40 00	
	$2,710 54	
Less credit from Laboratory deposits	60 20	
		$2,650 34

94. Photographic Service.

(a) Salaries:		
Professor G. R. Anderson, Manager (without remuneration)	....	
Photographers:		
C. Crowther	$1,450 00	
Mrs. Muriel Milne	1,200 00	
Frank Stark (10 mos.)	1,000 00	
W. Vance	950 00	
Mrs. R. E. Morley, Secretary	1,150 00	
Miss R. Cave, Office assistant (see also Civil Engineering: Surveying and Geodesy)	100 00	
Fred Sayer, Studio assistant	800 00	
		$6,650 00
(b) Expenses:		
Supplies ($1,328.12):		
W. E. Booth Co., chemicals films, and paper	$218 89	
Canadian General Electric Co., lamps	22 49	
Eastman Photographic Stores, chemicals, plates, etc.	284 22	
T. Eaton Co., cotton, etc.	13 49	
Gevaert Co., chemicals, plates, etc.	341 35	
Instrument's Ltd., blue print paper, etc.	82 84	
National Drug & Chemical Co., chemicals	11 35	
J. Frank Raw & Co., paper etc.	30 05	
Rectigraph & Co., paper	187 62	
University Press, printing and stationery	45 97	
Accounts under $10 (8)	33 41	
Superintendent's Dept., labour, $11.52; material, $44.92	56 44	
Apparatus:		
T. Eaton Co., enlarger	36 00	
		$1,364 12
		$8,014 12

NOTE: Receipts for photographic work done for various departments (including Accounts Receivable, $202.09) amounted to $4,335.31.

95. Mining Building (including Mill Building).

Heat and light		$8,502 89	
Gas, $1,190.89; electric current, $38.92; water, $423.27		1,653 08	
Caretaker's supplies:			
Superintendent's Dept., material		276 35	
Cleaning ($3,799.68):			
Acme Window Cleaning Co.		45 00	
Allen Mfg. Co., laundry		35 88	
Superintendent's Dept., labour		3,718 80	
Repairs and renewals ($3,142.04):			
Wm. Bartlett & Sons, shades		40 49	
City Treasurer, elevator license		15 00	
Federal Floor Finishing Co., resurfacing		18 00	
Johnson Temperature Regulating Co., heating system repairs		395 60	
Turnbull Elevator Co., interlocks		192 00	
Accounts under $10 (2)		6 45	
Superintendent's Dept., labour, $1,724.13; material, $750.37		2,474 50	
Caretaker, A. Clarke, 12 mos. (and overtime, $199.00)		1,500 00	
		$18,874 04	
Less heat and light charged to Central Power Plant	$8,502 89		
Credit for cleaning, etc.	14 00		
		$8,516 89	
			$10,357 15

96. Engineering Building.

Heat and light		$3,524 35	
Gas, $14.82; water, $200.24		215 06	
Caretaker's supplies:			
Superintendent's Dept., material		203 89	
Cleaning ($1,849.10):			
Acme Window Cleaning Co.		45 00	
Allen Mfg. Co., laundry		15 28	
Superintendent's Dept., labour		1,788 82	
Repairs and renewals ($1,896.36):			
Wm. Bartlett & Son, shades		17 84	
Superintendent's Dept., labour, $1,454.98; material, $423.63		1,878 52	
Caretaker, F. Baker, 12 mos. (and overtime, $179.00)		1,450 00	
		$9,138 76	
Less heat and light charged to Central Power Plant	$3,524 35		
Credit for cleaning, etc.	243 89		
		$3,768 24	
			$5,370 52

97. Electrical Building (including Mechanical Building and Wind Tunnel).

Heat and light		$4,536 66
Fuel for Experimental Plant:		
W. H. Cox Coal Co.		1,095 05
Gas, $77.52; water, $479.91		557 43
Caretaker's supplies:		
Superintendent's Dept., material		155 87
Cleaning ($2,164.68):		
Acme Window Cleaning Co.		50 00
Allen Mfg. Co., laundry		22 46
Superintendent's Dept., labour		2,092 22
Repairs and renewals ($2,232.09):		
Wm. Bartlett & Sons, shades		10 73
City Treasurer, elevator license		10 00
Dominion Bridge Co., plates		24 84
C. A. Dunham, Ltd., feed pump		895 46
Italian Mosaic & Tile Co., tiling		15 33
Superintendent's Dept., labour, $938.54; material, $337.19		1,275 73

Caretaker ($1,245.83):			
F. F. Hitchcock, 6 mos. (obit)		725 00	
E. W. Dean, 5 mos.		520 83	
		$11,987 61	
Less heat and light charged to Central Power Plant	$4,536 66		
Credit for cleaning, etc.	19 50		
		$4,556 16	
			$7,431 45

98. Geodetic Observatory Building.

Heat and light	$264 44	
Water	16 20	
Caretaker's supplies:		
Superintendent's Dept., material	25 00	
Cleaning ($141.28):		
Acme Window Cleaning Co.	4 00	
Superintendent's Dept., labour	137 28	
Repairs and renewals:		
Superintendent's Dept., labour, $181.31; material, $56.09	237 40	
	$684 32	
Less heat and light charged to Central Power Plant	264 44	
		$419 88

Charged to Revenue, 1938-39	$349,554 25
Charged to Wallberg Fund	7,000 00
	$356,554 25

X. FACULTY OF DENTISTRY

99. Salaries.

(a) Regular Staff.

A. D. A. Mason, Dean (paid also as Professor)	$1,000 00
Professors:	
A. D. A. Mason, Operative Dentistry (paid also $40 in School of Nursing)	5,000 00
F. M. Lott, Prosthetic Dentistry (paid also $50 for Extra Mural Lectures and $56.70 for Post Graduate Courses)	5,000 00
T. Cowling, Dental Technology and Metallurgy	2,000 00
G. C. Cameron, Pathology and Bacteriology	3,000 00
C. A. Corrigan, Orthodontia	2,500 00
S. S. Crouch, Dental Anatomy; also Lecturer, Orthodontia (Sessional)	850 00
E. W. Paul, Dental Surgery; also Librarian (paid also $35 for Extra Mural Lectures)	840 00
F. J. Conboy, Dental Praxis	400 00
I. H. Ante, Crown and Bridge Prosthesis (without salary—paid $60 for Extra Mural Lectures and $15.10 for Post Graduate Courses)	....
Associate Professors:	
Dentistry:	
W. G. Switzer (ob. 23 October) 4 mos. @ $4,000 per annum, $1,266.65; compassionate allowance to widow, $1,333.67	2,667 00
R. S. Woollatt (vice W. G. Switzer, deceased) 1 January to 30 June (paid also $251.25 as Associate and $45.15 for Post Graduate Courses)	1,333 00
H. A. Hoskin	4,000 00
R. G. Ellis (paid also $45 for Extra Mural Lectures)	3,900 00
R. J. Godfrey (paid also $155 for Extra Mural Lectures)	3,800 00
L. F. Krueger	1,500 00
J. H. Johnson, Dental Surgery and Anaesthesia	3,600 00
C. H. M. Williams, Periodontology (half time—paid also $75 for Extra Mural Lectures)	1,208 00
F. A. Clarkson, Medicine	360 00
Fulton E. Risdon, Oral Surgery (paid also $50 for Extra	

Mural Lectures)	180 00	
L. A. Kilburn, Dental Praxis	150 00	
E. S. Ryerson, Assistant Professor, Surgery (see also Faculty of Medicine)	360 00	
Associates:		
Dentistry:		
S. M. Richardson (paid also $25 for Extra Mural Lectures and $5.15 for Post Graduate Courses)	3,300 00	
P. G. Anderson (paid also $60 for Extra Mural Lectures)	495 00	
G. D. Beirel	750 00	
F. L. Cole (paid also $40.25 for Post Graduate Courses and $25 for Extra Mural Lectures)	670 00	
G. H. Coram	1,400 00	
J. H. Duff	630 00	
W. T. Holmes (paid also $35 for Extra Mural Lectures)	1,000 00	
W. L. Hugill	560 00	
F. Martin (paid also $105 for Extra Mural Lectures and $27.65 for Post Graduate Courses)	630 00	
G. V. Morton (paid also $50 for Extra Mural Lectures)	670 00	
H. A. Ross	500 00	
J. M. Sheldon	670 00	
R. L. Twible (paid also $25 for Extra Mural Lectures)	648 00	
R. R. Walker	670 00	
R. S. Woollatt, 3 mos. (see Associate Professor above)	251 25	
D. M. Tanner (paid also $100 in Faculty of Medicine)	50 00	
Miss W. C. Riddle, Histology, Bacteriology and Pathology	2,160 00	
J. Kreutzer, Preventive Dentistry; also Demonstrator in Operative Dentistry (Sessional)	1,100 00	
Preventive Dentistry:		
M. A. Cox	600 00	
Miss D. F. J. Berry	1,400 00	
G. V. Fisk, Orthodontia (paid also $150 in Institute of Child Study)	200 00	
G. W. Spinks, Dental Anatomy	700 00	
Demonstrators, Assistants, etc. (Sessional):		
Demonstrators:		
Dentistry:		
J. H. G. Harwood	315 00	
C. G. Pearson, 5 mos.	310 00	
W. G. McIntosh, Periodontology	292 00	
W. Butt, First Aid	40 00	
Lecturers:		
C. C. Rous, Applied Chemistry and Metallurgy (see also Office Staff)	300 00	
W. D. Cavanagh	540 00	
E. J. Pratt, Special Lecturer, English (paid also $30 in Ontario College of Education and $35 from University Press)	360 00	
Instructors:		
E. M. Rigsby, Dental Technology	240 00	
R. S. Hosking, English Expression	100 00	
Laboratory Assistants:		
Technicians:		
W. V. Byrne, Dentistry, 10 mos.	1,900 00	
Miss Inez A. Bumby, Bacteriology and Pathology	1,100 00	
H. F. Whittaker, Histology (part time—see also Anatomy)	150 00	
Mrs. M. Gratton, Histology (part time) 34 wks. @ $9	306 00	
H. Aylward, Infirmary	1,250 00	
		$69,905 25

(b) Infirmary Staff (including Nurses)

Nurses:	
Miss L. A. Cameron, Supervisor, 10 mos.	$1,400 00
Miss L. E. Tutt, 10 mos.	1,000 00
Miss A. H. Rose, 9 mos.	840 00
Miss M. M. Brown, 10 mos.	800 00
Miss G. Kyle, 10 mos.	800 00
Miss A. E. Phipps, 10 mos.	800 00

Miss E. G. Singer, 10 mos.	800 00	
Miss F. G. Whitehead, 8 mos.	800 00	
Miss A. Lougheed, Instructor in Typewriting for Nurses	100 00	
Mrs. L. Barraclough, Laundress, 42½ weeks @ $16.45	691 00	
		$8,031 00

(c) Office Staff.

C. C. Rous, Secretary (paid also $300 as Lecturer)	$3,100 00	
Miss F. A. Cook, Secretary to the Dean	1,800 00	
Miss F. Ward, Assistant to Secretary	1,200 00	
Assistants in Library:		
Miss E. B. Mimms	1,200 00	
G. Mimms, 12 wks. @ $7	84 00	
A. Atkins, 8 wks. @ $7	56 00	
Miss L. Park, Cashier, 10 mos.	1,200 00	
Miss M. D. Hill, Clerk in Secretary's Offfice	1,000 00	
		$9,640 00
		$87,576 25

99a. Post Graduate Courses.

Honoraria to Instructors ($305.00):		
I. H. Ante	$15 10	
H. K. Box	20 00	
F. L. Cole	40 25	
C. A. Corrigan	65 00	
A. F. Fenton	15 00	
G. V. Fisk	20 00	
F. M. Lott	56 70	
F. Martin	27 65	
S. M. Richardson	5 15	
C. H. M. Williams	20 00	
R. S. Woolatt	20 15	
Sundry incidental expenses	10 00	
	$315 00	
Less payment by Ontario Department of Health	175 00	
		$140 00

100. Laboratory and Infirmary Supplies, etc.

Aikenhead Hardware, Ltd., hardware	$47 73
Allen & Rollaston, dentures	60 00
Art Metropole, paper and brushes	10 96
Ash Temple Co., dental supplies	1,465 27
Wm. Bartlett, lantern screen, etc.	140 00
Bausch & Lomb Optical Co., microscope parts	42 87
Bimeter Co., bimeter, etc.	23 60
A. T. Button Co., dental plaster	92 25
Canadian Hansom & Van Winkle Co., pumice	28 68
Canadian Kaolin & Silicia Products, sand	10 00
Canadian Laundry Machinery Co., washing machine	512 56
L. D. Caulk Co., dental compound	179 15
Central Scientific Co., glassware	397 41
Chemistry Department, laboratory and sundry supplies	367 95
Columbia Dentoform Corporation, dental supplies	77 66
Corbett-Cowley, laboratory coats and masks	118 46
Chas. L. Daly, dentures finished	24 00
Denco, Ltd., gold	702 22
Dental Products Corporation, drugs	115 20
De Vilbiss Mfg. Co., cut-offs, with tubing	203 84
Dominion Dental Co., dental supplies	418 98
Eastman Kodak Stores, bulbs	14 12
Eastman Photographic Stores, films, chemicals, etc.	467 51
T. Eaton Co., utensils, mattresses, curtains, etc.	132 75
Florentine Co., models	82 32
Grand & Toy, typewriter, stand, etc.	14 50
Ed. Green Dental Supplies, dental supplies	109 22
J. J. Guessero, springs, solder, ligatures, etc.	16 57
J. F. Hartz & Co., syringes, gloves, cat gut, etc.	119 80

R. N. Hinck, microscopes	493 02	
Frank H. Howlett, model trimmer	53 83	
Interlake Tissue Mills, paper napkins	180 00	
Johnson & Johnson, Ltd., absorbent cotton, etc.	355 00	
Johnson Matthey & Co., gold	2,049 57	
Meyer Klatsky, film	18 28	
Metal Craft Co., sales tax on stools purchased 1937-38	14 40	
National Drug & Chemical Co., chemicals	137 73	
National Refining Co., dental supplies	6,646 42	
Office Specialty Mfg. Co., truck, etc.	32 87	
Photographic Service, prints and slides	197 98	
Physics Department, laboratory supplies	52 10	
E. C. Pratt, needles	23 50	
Proctor & Gamble Co., soap powder	63 70	
Pro-phy-lac-tic Brush Co., tooth brushes	21 25	
Alfred Quantrell, cut offs	15 00	
Miss M. Sewell, charts	35 00	
Ella Skinner, uniforms	305 52	
Spedwa, typewriter rental	84 00	
Chas. A. Starr Co., towels	29 64	
Telfer Paper Box Co., boxes	16 67	
Toronto Dental Dealers, dental supplies	307 17	
S. S. White Co., dental supplies	1,550 93	
Whitex Surgical Supply Co., X-ray mounts	34 00	
Williams Gold Refinery Co., castings, bars, etc.	1,621 51	
J. A. Wilson Co., bulbs, etc.	52 43	
G. H. Wood & Co., drinking cups, etc.	75 50	
University of Toronto Engineering Society, paper	20 90	
University Press, printing and stationery	193 65	
Accounts under $10 (28)	129 06	
Sundry disbursements by Secretary: Laundry, $123.75; sundry supplies, $72.60	196 35	
Superintendent's Dept., freight, $25.06; labour, $2,511.08; material, $1,366.31	3,902 45	
	$24,905 01	
Less credits: Laboratory deposits, $1,736.93; gold sweepings, $331.03	$2,067 96	
		$22,837 05

101. General Expenses.

Stationery, printing Calendar, office supplies; and incidentals ($1,884.75):	
C.P.R. Telegraphs	$14 26
D. Gestetner, Ltd., ink machine, $540.00, less allowance on old machine, $225.00	315 00
J. B. Lippincott & Co., reprints	35 35
Postage	149 00
Robbins & Townsend, typewriter inspection	35 20
University Press, printing and stationery	1,293 61
Accounts under $10 (7)	28 25
Sundry disbursements by Secretary	14 08
Extra-mural lectures ($870.00):	
P. G. Anderson	60 00
I. H. Ante	60 00
F. L. Cole	25 00
R. G. Ellis	45 00
R. J. Godfrey	155 00
J. Wallace Graham	25 00
W. T. Holmes	35 00
F. M. Lott	50 00
F. Martin	130 00
G. V. Morton	50 00
E. W. Paul	35 00
S. M. Richardson	25 00
F. Risdon	50 00
R. L. Twible	25 00
C. H. M. Williams	75 00
R. S. Woollatt	25 00

American Association of Dental Schools, dues		50 00	
		$2,804 75	
Less received from Royal College of Dental Surgeons, account extra-mural lectures	$570 00		
Credit from sale of material	1 35		
		$571 35	$2,233 40

102. Dental Building.

Fuel:		
Milne Coal Co.	$1,673 24	
Gas, $325.86; electric current, $2,597.04; water, $291.19	3,214 09	
Caretaker's supplies:		
Superintendent's Dept., material	620 18	
Cleaning ($2,372.96):		
White Window Cleaning Co.	28 00	
Superintendent's Dept., labour	2,344 96	
Repairs and renewals ($2,694.34):		
Wm. Bartlett & Son, shades	10 99	
City Treasurer, elevator license	10 00	
Federal Floor Finishing Co., re-surfacing	15 00	
John Inglis Co., arch plates	37 80	
Supreme Boiler & Engineering Co., boiler, etc.	9 64	
Superintendent's Dept., labour, $2,003.66; material, $607.25	2,610 91	
Caretaker, R. Eades, 12 mos.	1,400 00	
Fireman, Superintendent's Dept., labour	834 86	
	$12,809 67	
Less credit for cleaning, etc.	4 50	
		$12,805 17
		$125,591 87

XI. FACULTY OF HOUSEHOLD SCIENCE.

103. Salaries.

(a) Household Science:		
Miss Jessie Brodie, Professor (with rooms, heat and light valued @ $280)	$4,200 00	
Assistant Professors:		
Miss Alice C. Willard	3,450 00	
Miss E. W. Park	2,700 00	
Lecturers (Sessional):		
Miss K. E. Bennett	2,500 00	
Miss J. S. Roberts	2,300 00	
Miss D. E. Mulholland	1,800 00	
Miss H. R. Coatsworth (part time)	1,000 00	
Assistants (Sessional):		
Miss J. E. Young	900 00	
Miss I. St. Clair Anderson	800 00	
Miss F. E. Lamon, Research Assistant	1,000 00	
	$20,650 00	
Charged to Massey Treble Bequest	3,000 00	
		$17,650 00
(b) Food Chemistry:		
Dr. C. C. Benson, Professor, also Secretary to Faculty (with rooms, heat and light valued @ $280)	$4,200 00	
Lecturers (Sessional):		
Dr. M. Doreen Smith	1,700 00	
Miss E. I. Walker	1,700 00	
Mrs. Jean Panton Butterfield	850 00	
Miss E. J. Reed, Instructor (Sessional)	1,200 00	
Assistants (Sessional):		
Miss D. M. Chapman	1,000 00	
Miss D. M. Lindsley (part time—paid also $600 as Clerical Assistant)	450 00	
		$11,100 00
		$28,750 00

104. Household Science Department.

Laboratory supplies ($1,488.97):			
Acme Farmer's Dairy, milk		$167 03	
Canadian Laboratory Supplies, chemicals, etc.		309 57	
T. Eaton Co., kitchen utensils		199 52	
Eddy Match Co., matches		12 44	
Lever Bros., soap		12 77	
Nichols Chemicals Co., chemicals		32 88	
Alex Provan, provisions		584 24	
Pugsley, Dingman Co., soap flakes		14 19	
F. Simpson & Sons, provisions		100 84	
Accounts under $10 (9)		36 82	
Sundry disbursements by department		10.54	
Superintendent's Dept., material		8 13	
Laboratory attendance ($1,510.00):			
Miss A. Conacher, 43 weeks		688 00	
Mrs. E. Stroud, 42 weeks		672 00	
Mrs. E. Lyons, 30 weeks		150 00	
Equipment and incidentals ($135.41):			
Accounts under $10 (4)		18 66	
Superintendent's Dept., labour, $107.53; material, $9.22		116 75	
Books and special equipment ($714.06):			
T. Eaton Co., lamps, shades, etc.		55 70	
Grand & Toy, transfer cases, folders, etc.		10 85	
Nutrition Abstracts & Review, subscription		10 04	
Robert Simpson Co., electric stoves		459 88	
Singer Sewing Machine Co., machine		68 73	
Wistar Institute of Anatomy & Biology, subscription		11 23	
University Press, books and binding		28 38	
Accounts under $10 (9)		35 46	
Superintendent's Dept., labour, $16.35; material, $17.44		33 79	
		3,848 44	
Less credits: Laboratory deposits	$257 51		
charged to Massey Treble Bequest	714 06	971 57	
			$2,876 87

105. Food Chemistry

Maintenance ($920.91):		
Canadian Laboratory Supplies, chemicals, glassware, etc.	$304 32	
Central Scientific Co., glassware	163 73	
W. E. Collins, Inc., crucibles, etc.	15 85	
T. Eaton Co., towels, etc.	34 93	
Elliotts Hardware, gas lighters	15 00	
Ingram & Bell, Ltd., special apparatus	14 75	
Merck & Co., chemicals	28 37	
Nichols Chemical Co., acids	20 35	
Thos. Pocklington Co., instrument repairs	24 75	
J. Frank Raw, planimeter	25 00	
Service Station Equipment Co., refrigerator repairs	18 62	
University Press, printing and stationery	60 01	
Accounts under $10 (11)	54 14	
Sundry disbursements by department Stationery, utensils, etc., $30.91; food supplies, $25.30; sundries, $7.39	63 60	
Superintendent's Dept., labour, $59.95; material, $17.54	77 49	
Laboratory attendance ($1,099.00):		
Mrs. I. Scott, 42 ⅔ weeks	704 00	
Mrs. R. Berry, 39½ weeks	395 00	
	2,019 91	
Less credit from laboratory deposits, etc.	182 22	
		$1,837 69

106. General Expenses

Stationery, printing, office supplies and incidentals ($271.77):	
D. Gestetner, Ltd., stencils and paper	$17 68
Postage	24 00
University Press, printing and stationery	209 59
Accounts under $10 (2)	10 50
Sundry disbursements by department	10 00

Clerical assistance ($1,700.00):		
Miss E. C. Cross, 10 mos.	1,100 00	
Miss D. Lindsley, 12 mos.	600 00	
		$1,971 77

107. Household Science Building

Heat and light		$2,841 05	
Gas, $226.80; water, $386.24		613 04	
Caretaker's supplies:			
Superintendent's Dept., material		120 36	
Cleaning ($1,699.23):			
Acme Window Cleaning Co.		25 00	
Butterfield Window Cleaning Co.		5 75	
Superintendent's Dept., labour		1,668 48	
Repairs and renewals ($1,200.00):			
Canadian Fairbank Morse Co., piano truck		35 10	
Johnson Temperature Regulating Co., heating system repairs		28 07	
Accounts under $10 (2)		8 55	
Superintendent's Dept., labour, $776.63; material, $351.55		1,128 28	
Sundries ($977.69):			
Joseph McCausland & Son, swimming pool repairs		333 00	
John Smith, repairs to cushions		33 50	
Accounts under $10 (2)		15 13	
Superintendent's Dept., labour, $449.33; material, $146.73		596 06	
Caretaker, A. J. Maycock (with rooms, heat and light valued at $420; and overtime, $75.55)		1,150 00	
			$ 8,601 37
Less heat and light charged to Central Power Plant	$2,841 05		
Credit for cleaning, etc.	9 35		
Charged to Massey Treble Bequest	977 69	3,828 09	$4,773 28
			$40,209 61

XII. FACULTY OF FORESTRY.

108. Salaries.

Professors:		
C. D. Howe, Dean of the Faculty	$6,000 00	
J. H. White	4,900 00	
Associate Professors:		
T. W. Dwight	4,300 00	
Gordon G. Cosens	3,800 00	
R. C. Hosie, Assistant Professor	3,150 00	
Special Lecturers:		
A. Dunne	10 00	
F. S. Newman	25 00	
Miss G. McAree, Secretary in Dean's Office	1,200 00	
		$23,385 00

109. Maintenance of Department.

Laboratory supplies and apparatus ($264.21):	
Canadian Pulp and Paper Association, pamphlets	$15 10
Photographic Service, prints, etc.	19 16
University Press, printing and stationery	26 03
Accounts under $10 (10)	25 92
Sundry disbursements by department:	
Stationery and subscriptions, $23.10; sundries, $5.51	28 61
Superintendent's Dept., labour, $99.48; material, $49.91	149 39
Office supplies, printing Calendar, postage and incidentals, ($305.93):	
N. S. Houghton, transfer cases	24 20
Postage	50 00
Robbins & Townsend, typewriter inspection	8 60
University Press, printing and stationery	204 94
Sundry disbursements by department:	
Telegrams, etc., $14.87; sundries, $3.32	18 19
Collecting material for class work:	
Superintendent's Dept., freight	1 61

Laboratory assistance:		
Hugh Campbell, 42 weeks, 1 day	379 65	
Practice Camp, supplies, travel, etc. ($1,125.39):		
Travelling expenses:		
G. G. Cosens	77 00	
T. W. Dwight	68 87	
J. H. White	27 45	
S. S. Holden, robe	48 60	
C. H. Irwin, students and instructors board and use of canoes	817 05	
Keuffel & Esser Co., tape, compasses, etc.	17 32	
Lumbermans Safety Association, lifeguards	30 00	
Northern Electric Co., hand set repaired	18 73	
Accounts under $10 (7)	16 94	
Superintendent's Dept., material	3 43	
	$2,076 79	
Less received from students for board	600 00	
		$1,476 79

110. Forestry Building.

Heat and light		$867 12	
Gas, $9.06; water, $10.58		19 64	
Caretaker's supplies:			
Superintendent's Dept., material		57 97	
Cleaning ($322.84):			
Acme Window Cleaning Co.		10 00	
Allen Mfg. Co., laundry		5 64	
Superintendent's Dept., labour		307 20	
Repairs and renewals ($163.56):			
Canadian Powers Regulators Co., heating system repairs		58 40	
Superintendent's Dept., labour, $87.71; material, $17.45		105 16	
Caretaker, E. G. Payne, 12 mos.		1,450 00	
		$2,881 13	
Less heat and light charged to Central Power Plant	$867 12		
Credit for cleaning	3 00		
		$870 12	
			$2,011 01
			$26,872 80

XIII. FACULTY OF MUSIC

111. Salaries.

Sir Ernest MacMillan, Dean (without salary)	....	
Professors:		
Healey Willan @ $4,000 of which $2,000 paid by Toronto Conservatory of Music	$2,000 00	
Leo Smith	1,000 00	
J. Leland Richardson, Carillonneur	500 00	
Miss A. W. Patterson, Secretary to Faculty (paid also as President's Secretary)	250 00	
		$3,750 00

112. Maintenance of Department.

Printing Calendar, postage and incidentals:		
Postage	$62 00	
University Press, printing and stationery	226 42	
		$288 42

113. Special.

Grant to Toronto Conservatory of Music		$15,000 00
		$19,038 42

XIV. SCHOOL OF GRADUATE STUDIES.

114. Salaries.

G. S. Brett, Dean (see also Philosophy)	$1,000 00	
Miss N. MacKenzie, Secretary	2,200 00	
Miss D. R. Bond, Stenographer	950 00	
		$4,150 00

115. Maintenance of Department.

Stationery and office supplies ($551.37):		
Office Specialty Mfg. Co., cabinet and cards	$86 65	
Postage	41 00	
Remington-Rand Ltd., typewriter	110 00	
University Press, printing and stationery	291 56	
Accounts under $10 (4)	15 35	
Sundry disbursements by Secretary	6 81	
Clerical assistance:		
Miss Estelle Ridge, Secretariat, Board of Examiners for Professional Degrees, $50; postage, $1.28	51 28	
		$602 65
		$4,752 65

XV. SCHOOL OF NURSING

116. Salaries.

Miss E. K. Russell, Director	$3,700 00	
Miss F. H. M. Emory, Assistant Director	3,000 00	
Lecturers (Sessional)		
Miss W. L. Chute, Science and Nursing	2,200 00	
Miss M. B. Millman, Public Health Nursing	2,100 00	
Nursing:		
Miss N. D. Fidler	2,200 00	
Miss D. M. Percy	2,100 00	
Miss M. Jean Wilson (with living valued at $400)	1,200 00	
Miss M. Waddell, Dietitian (with living valued at $400)	1,200 00	
Miss E. N. L. Mortimer, Secretary-Librarian	1,800 00	
Miss M. Barnes, Clerical Assistant (from 1 July to 30 September @ $15 per week, from 1 October to 30 June @ $75 per month)	872 50	
		$20,372 50

117. Special Teaching.

Critic Teachers in City Schools, etc. for practice-teaching purposes ($527):	
Board of Education	$512 00
Separate School Board	15 00
University Departments and Special Teaching ($3,747.34):	
School of Hygiene	400 00
Anatomy	200 00
Psychology	300 00
Social Science	200 00
Lecturers (Sessional):	
Dr. Norma H. C. Ford, Biology, (see also department)	300 00
C. E. Phillips, Development of Modern Educational Thought (see also Ontario College of Education)	200 00
J. O. Carlisle, Principles of Teaching (see also Ontario College of Education)	100 00
Medicine (see also department):	
Beverley Hannah	190 00
Trevor Owen	115 00
J. H. Elliott	40 00
Gordon Bates	20 00
H. A. Dixon	20 00
Paediatrics (see also department):	
Alan Brown	160 00
F. F. Tisdall	35 00
C. E. Snelling	5 00
Surgery (see also department):	
W. K. Welsh	115 00
D. E. Robertson	10 00
H. B. Van Wyck, Obstetrics (see also department)	110 00
Ophthalmology (see also department):	
Perry Goldsmith	15 00
C. E. Hill	10 00
J. T. Phair, Child Hygiene (see also School of Hygiene)	40 00

C. G. Stogdill, Mental Hygiene (see also Psychiatry)	100 00	
A. D. A. Mason, Oral Hygiene (see also Dentistry)	40 00	
Mrs. Florence E. Woodcock, Massage (see also University Extension)	85 00	
Miss D. Shantz	25 00	
W. Easson Brown	10 00	
Miss Alma Reid	10 00	
Harvey Agnew	5 00	
Miss E. G. Gavin	5 00	
Miss J. I. Maston	5 00	
Refresher Course on Child Hygiene:		
Miss A. M. Taylor (including travelling expenses)	92 94	
Thornton Mustard (see also University Extension)	40 00	
Miss M. Bell	35 00	
W. E. Blatz (see also Psychology)	20 00	
K. S. Bernhardt (see also Psychology)	30 00	
Miss F. Held	10 00	
S. A. Watson	10 00	
Miss E. Greenwood	5 00	
Miss E. Howey	5 00	
Refresher Course, Hospital Administration:		
Harvey Agnew	35 00	
Miss Ethel Johns	33 40	
R. W. Longmore	20 00	
K. G. Gray (see also Medical Jurisprudence)	10 00	
James Govan	10 00	
John Hornell	10 00	
F. A. Logan	10 00	
Miss W. Moyle	10 00	
C. J. Telfer	10 00	
A. J. Swanson	10 00	
Miss Anne Wright	10 00	
Miss E. M. McKee	10 00	
Miss H. T. Meiklejohn	5 00	
Refresher Course, Obstetrical Training:		
Miss H. T. Meiklejohn	25 00	
Miss B. L. Ellis	15 00	
Miss Ella Barry (Sister Jeanne)	15 00	
Miss Jean I. Gun	20 00	
W. A. Scott	40 00	
H. B. Van Wyck	30 00	
W. G. Cosbie } see also Obstetrics and Gynaecology	10 00	
J. C. Goodwin	10 00	
D. M. Low	10 00	
C. E. Snelling (see also Paediatrics)	10 00	
Nursing:		
Miss J. Kniseley	15 00	
Miss E. Hickey	20 00	
Miss E. Moore	15 00	
Miss M. Mackay	10 00	
Miss E. de V. Clarke	15 00	
Miss B. Boulter, Special Instructor in Nursing	186 00	
Hospitals and Public Health Organization ($980):		
Miss Margaret Murray	270 00	
Victorian Order of Nurses	245 00	
Toronto General Hospital	110 00	
Canadian Red Cross Society	100 00	
Neighbourhood Workers' Association	55 00	
Toronto Western Hospital	50 00	
St. Michael's Hospital	40 00	
Women's College Hospital	30 00	
Brantford General Hospital	20 00	
Hospital for Sick Children	20 00	
St. Elizabeth Visiting Nurses Association	20 00	
Hamilton General Hospital	10 00	
Toronto Psychiatric Hospital	10 00	
		$5,254 34

118. School Maintenance.

Office supplies, printing, postage and incidentals ($695.63):		
T. Eaton Co., stationery, etc.	$29 29	
D. Gestetner, Ltd., stencils and ink	66 32	
Grand & Toy, transfer cases	11 00	
Postage	67 00	
Robbins & Townsend, typewriter inspection	31 20	
University Press, printing and stationery	452 76	
Accounts under $10 (2)	7 96	
Sundry disbursements by Director:		
Stationery, $7.28; telegrams, etc., $9.28; sundries, $11.79	28 35	
Superintendent's Dept., material	65	
Class-room equipment and supplies, library and advertising ($330.74):		
T. Eaton Co., subscriptions	18 51	
George Edwards Studio, charts	14 75	
Grand & Troy, transfer cases	11 00	
J. F. Hartz, syringes, thermometers, etc.	64 83	
J. B. Lippincott & Co., charts, etc.	24 90	
Advertising:		
Alumnae Association	15 00	
Canadian Nurse	25 00	
Globe & Mail	10 90	
MacLean Publishing Co.	42 00	
Toronto Daily Star	11 05	
Accounts under $10 (30)	92 80	
Graduation expenses and fellowship payments ($270):		
Birks-Ellis-Ryrie, Ltd., graduation pins	52 50	
Dr. Charles Peaker, organist at Convocation	10 00	
Accounts under $10 (2)	7 50	
Internships:		
Miss Phyllis Kitchen	150 00	
Miss F. Smith	50 00	
Travelling and entertainment, extra curricular activities ($97.85):		
F. Sylvester, musical services	60 00	
Miss E. K. Russell, travelling expenses and entertainment of visitors	37 85	
		$1,394 22

119. Residence Maintenance.

Residence Physician:	
Dr. J. G. Falconer	$200 00
Wages, food, laundry and miscellaneous ($13,124.82):	
Pay lists, wages of maids, etc.	4,714 69
L. E. Bickell & Co., fruit and vegetables	655 86
Bredin's Bread	177 31
Canada Bread Co.	96 17
Canada Packer's Ltd., meat, etc.	1,572 39
Christie, Brown & Co., biscuits	177 36
Club Coffee Co., tea and coffee	254 77
Donlands Dairy	938 22
T. Eaton Co., kitchen utensils, etc.	103 05
John J. Fee, eggs	304 31
General Steel Wares, juice extractor	58 75
Hobart Mfg. Co.	10 15
Ingram & Bell, chemicals and drugs	33 00
Kelvinator of Canada, refrigerator repairs	37 48
Kraft Phenix Cheese Co., cheese	48 36
Loblaw Groceteries, provisions	1,290 50
Michie & Co., provisions	34 65
Wm. Neilson, Ltd., ice cream	177 09
T. Nicola, fruit and vegetables	657 13
Pacific Mills, paper	28 00
Parisian Laundry	518 69
St. Lawrence Fish Market	123 77
Slichters, Ltd., flowers	17 15
Standard Brands, coffee	16 50
Wm. Unser, cakes	63 08

White & Co., fruit and vegetables	80 56	
John H. Wickson, meat	573 38	
G. H. Wood & Co., paper doilies and cups	38 03	
Accounts under $10 (13)	65 33	
Sundry disbursements by Director:		
Flowers, $20.69; food supplies, $33.66; hardware, etc., $26.72; wages, $25; sundries, $24.84	130 91	
Superintendent's Dept., labour, $15.38; material, $112.80	128 18	
Furnishings ($601.67):		
Birks-Ellis-Ryrie, replating	27 45	
Canadian Tumbler Co., tumblers	25 22	
Cassidy's Ltd., dishes	147 51	
T. Eaton Co., furnishings and upholstering	329 00	
Robert Simpson Co., glassware, etc.	15 55	
Superintendent's Dept., labour, $37.42; material, $19.52	56 94	
		$13,926 49

120. Contingencies.

(Nothing spent)

121. Maintenance of Building (No. 7 Queen's Park)

Fuel ($1,231.66):		
Department of Public Works	$1,200 00	
Elias Rogers Co.	31 66	
Water, $174.99; electric current, $512.22; gas, $333.16	1,020 37	
Caretaker's supplies:		
Superintendent's Dept., material	200 00	
Repairs and renewals ($2,477.25):		
Dustbane Products, Ltd., polisher repairs	4 75	
F. Hogg Nursery Co., bulbs	12 12	
Lundy Fence Co., fence	35 00	
B. W. Miller & Co., flowers	24 16	
Routery Bros., plaster repairs	304 55	
Superintendent's Dept., labour, $1,431.71; material, $664.96	2,096 67	
Sundries:		
Bell Telephone Co., service	452 39	
Caretaker, T. Marriott, 12 mos.	1,300 00	
		$6,681 67
		$47,629 22

Charged to Revenue, 1938-39	$7,500 00
Charged to Rockefeller Fund	$40,129 22
	$47,629 22

XVI. SOCIAL SCIENCE

122. Salaries.

A. E. Grauer, Director and Professor	$4,500 00
Miss A. C. McGregor, Assistant Director and Assistant Professor	2,600 00
Lecturers (Sessional):	
Miss B. M. Finlayson, also Supervisor of Case Work	2,400 00
D. G. McCullagh	1,800 00
Miss E. B. Bambridge, Secretary-Librarian	1,400 00
Special Lecturers (Sessional):	
Miss K. Gorrie	150 00
Miss F. Held	150 00
Miss N. Lea	110 00
Miss M. Bell	75 00
M. M. Cohn	75 00
R. E. Mills	75 00
Institute of Child Study	75 00
School of Nursing	75 00
Miss C. E. Whitton	50 00
Mrs. H. Lawrence	45 00
B. W. Heise	37 50
Miss M. Fleming	37 50
H. C. Hudson	30 00
D. Smith	25 00

K. H. Rogers (paid also in Psychology)	10 00	
W. Scott	5 00	
	$13,725 00	
Less paid by School of Nursing	200 00	
		$13,525 00

123. Maintenance of Department.

Office supplies, printing, Calendar, postage and incidentals ($860.36):		
American Association of Schools of Social Work, membership fees	$50 43	
Grand & Toy, cabinet	26 10	
Postage	134 88	
Travelling and field work expenses:		
Miss B. M. Finlayson	12 45	
D. G. McCullagh	49 00	
Ward Price, Ltd., tea urn	12 50	
Wymilwood Women Student's Union, catering for Reception	23 25	
University Press, printing and stationery	361 64	
Accounts under $10 (17)	63 16	
Sundry disbursements by department:		
Books, $16.96; telegrams, etc. $16.49; sundries, $16.55	50 00	
Clerical assistance:		
Miss F. Clark, 10 days	25 00	
Miss M. Ditchburn, 3½ days	29 45	
Miss L. Kay, 7½ days	22 50	
Library ($281.62):		
G. J. McLeod, Ltd., books	33 71	
MacMillan Co., books	14 20	
University Press, books	20 05	
Accounts under $10 (31)	113 66	
Library assistant, W. Bury	100 00	
	$1,141 98	
Less sundry credits	6 97	
		$ 1,135 01
		$14,660 01

XVII. UNIVERSITY EXTENSION AND PUBLICITY

124. Salaries.

W. J. Dunlop, Director	$5,500 00	
B. W. Sharpe, Assistant Director	2,700 00	
Assistants:		
Miss D. deF. Milner (paid also $54 as Attendant, Evening Classes)	1,450 00	
Mrs. M. Joyce J. Mudge (paid also $49.50 as Attendant, Evening Classes)	1,400 00	
Miss G. Anderson (paid also $18 as Attendant, Evening Classes)	1,400 00	
Mrs. H. G. Petersen, Clerk (paid also $81.50 as Attendant, Evening Classes)	1,350 00	
Stenographers:		
Miss L. B. Alexander	1,100 00	
W. A. Munro (paid also $75 as Attendant, Evening Classes)	1,100 00	
Mrs. Annie D. Beacock (paid also $76.50 as Attendant, Evening Classes)	1,050 00	
R. P. Brown, 11 mos. (paid also $73.50 as Attendant, Evening Classes)	962 50	
W. John Dunlop (paid also $73.50 as Attendant, Evening Classes)	1,050 00	
		$19,062 50

125. Extension and Publicity Departments.

(a) Extension:		
Instructors ($49,789.08):		
D. S. Ainslie	$420 00	
J. H. Aitcheson	406 00	
J. S. Alley	100 00	

E. A. Allcut	210	00
Mrs. M. Anderson	50	00
J. G. Andison	80	00
R. G. Armour	40	00
G. L. Assie	200	00
D. W. Atchinson	420	00
F. W. Auburn	75	00
F. C. Auld	10	00
W. G. Baird	50	00
H. de W. Ball	150	00
G. P. Beal	200	00
L. S. Beattie	40	50
S. Beatty	80	00
W. H. Becking	200	00
W. G. Bennett	145	50
K. S. Bernhardt	334	00
A. E. Birney (including expenses $38.90)	338	90
E. H. Botterell	20	00
H. Boeschenstein	250	00
E. A. Bott	620	00
Miss E. Bowling	50	00
A. A. Brant	800	00
Miss M. Brookstone	480	00
E. K. Brown	200	00
G. W. Brown	410	00
S. B. Brown	70	00
W. J. Brown	167	00
C. Buck (including expenses $81.50)	281	50
J. D. Burk	420	00
J. C. Cameron	30	00
Canadian Association of Social Workers	50	00
J. Cano	200	00
B. Card	380	00
Mrs. P. Card	75	00
S. N. F. Chant	400	00
W. H. Clawson	300	00
S. D. Clark	100	00
F. Coates	75	00
Miss K. H. Coburn	200	00
Miss A. Cochrane	100	00
Miss A. C. Cole	136	00
J. A. Corry	20	00
G. P. Cosgrave	458	00
D. R. G. Cowan	51	10
H. S. M. Coxeteer	300	00
D. G. Creighton	150	00
A. G. Croal	22	50
F. R. Crocombe	200	00
C. A. Curtis	20	85
E. A. Dale	150	00
J. Davies	10	00
T. N. Dean	10	00
V. de Beaumont	300	00
St. E. de Champ	200	00
E. H. Dexter	500	00
G. Dexter	10	00
S. S. Dhami (including expenses $154.35)	954	35
J. W. Dore	420	00
N. S. Dowd	200	00
A. M. Doyle	10	00
A. J. Duncan (including expenses $105.15)	305	15
J. H. Elliott	30	00
J. M. Elson	570	00
W. J. Endicott	420	00
J. G. Falconer	50	00
F. Ferguson (including expenses $12.00)	412	00
J. Finkelman	200	00
W. Fitzgerald	200	00
A. A. Fletcher	20	00
Miss J. M. Forster	50	00

Mrs. Ruth M. Franks	200 00
A. Fraser	100 00
W. G. Frisby	400 00
H. W. Frye	420 00
D. W. J. Gardiner	500 00
G. P. deT. Glazebrook	150 00
T. B. Godfrey	200 00
E. Goggio	200 00
H. C. Gourlay	200 00
Mrs. M. Graham	40 00
H. A. Grainger	94 50
R. R. Grant	200 00
A. E. Grauer	80 00
Miss R. Haldenby	26 00
Miss Jean Hampson	100 00
C. W. M. Hart	200 00
H. G. Harvey	127 50
R. K. Hicks	420 00
A. S. Hill (including expenses $72.20)	272 20
Hospital for Sick Children	40 00
F. J. Horwood	200 00
J. A. Houpert	200 00
P. Howes	10 00
G. W. Howland	60 00
H. L. Humphreys	300 00
F. P. Ide	442 00
M. K. Inman (including expenses $15.50)	115 50
Institute of Child Study	200 00
E. Johnson	200 00
F. A. Jones	10 00
S. B. Jones	180 00
W. K. F. Kendrick	100 00
J. D. Ketchum	420 00
H. King, expenses	33 25
F. H. Kirkpatrick	400 00
F. A. Knox	20 00
C. C. Krieger	420 00
A. Lacey	10 00
C. LaFerle	20 00
V. Lange	350 00
B. Laskin (including expenses $40.50)	240 50
J. E. Lattimer	27 50
H. Laurey, expenses	36 15
Miss N. Lea	100 00
F. I. Lewis	20 00
N. Leclerc	35 73
Miss H. P. LeVesconte, 8 mos.	1,200 00
H. A. Logan	100 00
Miss I. Loudon	500 00
W. J. Lougheed	115 50
R. N. McCormick	10 00
E. W. Macdonald	776 00
J. L. McDonald	40 00
Miss M. D. MacDonald	200 00
J. L. McDougall	20 00
D. J. McDougall	274 00
J. R. MacGillivray	1,112 00
E. W. McInnis	338 00
G. McInnis	200 00
J. C. McInnis	440 00
W. G. McIntosh	200 00
A. T. McLachlan	300 00
L. A. McKay	46 00
G. D. McKinnon	10 00
D. R. McLean	200 00
G. A. McMullen	340 00
Miss H. McMurrich	200 00
J. T. Macpherson	100 00
H. Marshall, expenses	23 30
C. Matthews	200 00

Mrs. M. Miller (including expenses $67.10)	567	10
J. H. Mills	22	50
E. W. Morse	100	00
N. L. Murch	145	50
Mrs. J. Murphy	100	00
C. R. Myers	300	00
Ontario College of Art	300	00
Miss M. C. Needler	150	00
J. A. Newcombe	300	00
Miss O. Noble	300	00
H. H. Noyes	432	00
T. W. Oates	78	00
V. J. Okulitch	480	00
J. M. Packham	10	00
J. F. Parkinson	200	00
Miss A. H. Parsons	560	00
Miss V. H. Peene	200	00
J. G. Perold	40	00
W. C. Perron	150	00
C. R. Philp, (including expenses $30.00)	220	00
M. J. Pollett	70	00
G. Price (including expenses $36.50)	436	50
A. E. Prince	10	00
D. Putnam	180	00
J. J. Rae	122	00
A. L. Richardson	200	00
R. G. Riddell	310	00
J. D. Robins	200	00
G. de B. Robinson	300	00
C. D. Rouillard	420	00
Miss E. M. Rutledge	36	00
J. H. Ryan	200	00
Miss M. Salter	200	00
J. Satterly	560	00
R. M. Saunders	708	00
H. L. Seymour	100	00
Miss R. Shilton, 8 mos.	1,800	00
A. A. Shuyler	200	00
Miss E. K. M. Sims	420	00
C. Sivertz (including expenses $43.50)	243	50
Miss F. A. Smith	720	00
M. A. Sorsoleil	60	00
St. John's Ambulance Association	114	00
B. F. Sullivan	310	00
M. D. C. Tait	498	00
Griffith Taylor	300	00
J. K. Thomas	400	00
J. E. Thomson	240	00
S. L. Thompson	260	00
Toronto General Hospital	120	00
G. H. Turner	300	00
F. H. Underhill	190	00
A. B. Ward	200	00
L. Warshaw	200	00
E. T. Waters	350	00
M. B. Watson	200	00
J. O. Watts	10	00
G. Webber	200	00
F. J. Westcott	420	00
D. C. Williams	200	00
D. J. Wilson (including expenses $152.00)	552	00
A. Wingfield	200	00
Miss M. Winspear	400	00
R. Winter	80	00
Mrs. Florence Woodcock, 8 mos.	1,200	00
B. Yardley	10	00
A. R. Zimmer	10	00
Class Assistants ($1,207.00):		
L. G. Berry	75	00
P. Blackman	20	00

J. Love	72 00
N. B. McElheran	225 00
K. C. Mann	200 00
H. Markle	75 00
W. R. Martin	50 00
D. Monteith	100 00
W. M. Sprules	50 00
W. Wightman	90 00
Miss C. M. Woolsev	250 00
Reader, Miss N. Loeb	150 00
Attendants ($1,436.50):	
Miss G. Anderson	18 00
Mrs. A. D. Beacock	76 50
R. P. Brown	73 50
Mrs. G. Campbell	42 00
A. Clark	108 75
W. John Dunlop	73 50
Mrs. C. Grant	39 00
Miss M. Hargreaves	45 00
A. G. Keel	142 50
J. McCormick	134 75
A. J. Maycock	24 50
Miss D. deF. Milner	54 00
Mrs. Joyce Mudge	49 50
W. A. Munro	75 00
W. T. Palmer	25 00
Mrs. H. G. Petersen	81 00
W. J. Scott	183 50
Miss V. Sheldon	34 50
G. Town	67 50
H. Van Ark	85 00
Sundry persons	3 50
	$52,582 58

APPORTIONMENT OF THE FOREGOING

	Instructors	Class Assistants	Readers	Attendants	Travelling Expenses	Totals
Summer Session	$ 9,400 00	$592 00	$150 00			$10,142 00
Teachers' Course	7,491 00	615 00		$268 51	$38 90	8,413 41
Correspondence Courses	2,987 00					2,987 00
Evening Classes	11,599 45			1,015 99	103 65	12,719 09
W. E. A. etc.	7,080 00			152 00	743 20	7,975 20
Short Courses	1,170 00				56 15	1,226 15
Aerial Navigation	1,570 00					1,570 00
Occupational Therapy	3,625 73					3,625 73
Physiotherapy	3,924 00					3,924 00

Remuneration to Instructors, Attendants, Travelling expenses, etc. as detailed above	$52,582 58
Sundry expenses ($1,405.30):	
Summer Session:	
Moyer School Supplies, black board, etc.	17 90
Gray Coach Lines, coach hire	38 00
Photographic Service, slides	13 05
Accounts under $10 (3)	12 70
Evening Classes:	
Canadian Electrical Supply Co., loud speaker system parts	35 45
Hart House, guest room charges	10 80
Photographic Service, slides	21 50
N. H. Speight Laboratories, sound amplification system installed	83 30
Toronto Conservatory of Music, use of rooms and piano	100 00
Accounts under $10 (3)	11 00
Superintendent's Dept., labour	19 57

Short Courses:	
H. Hale, electrical services	75 00
J. B. Laidlaw, course in Real Estate	231 48
B. Stanley, stagehand	75 00
Mrs. N. Arbour, cleaning	75 00
Accounts under $10 (2)	10 95
Aerial Navigation:	
Art Metropole, drafting machine	22 50
Receiver General of Canada, charges in connection with aeroplane	21 14
U. S. Hydrographic Office, text book	2 82
Superintendent's Dept., freight, $22.97; labour, $18.72; material, $7.74	49 43
Occupational Therapy:	
Accounts under $10 (8)	27 78
Superintendent's Dept., labour, $26.33; material, $30.33	56 66
Physiotherapy:	
Allen Mfg. Co., laundry	7 28
Hobbs Glass, Ltd.	69 14
John A. Madsen, gymnasium and massage plinths	293 00
Superintendent's Dept., labour, $18.53; material, $6.32	24 85
Canadian Association for Adult Education, for developing courses in farming communities	1,000 00
Social Functions for Courses and Classes ($231.82):	
Geo. Coles Ltd., catering	125 00
Hart House, luncheon	15 60
Social Science Department, teas	13 17
University Women's Club, dinner	66 05
Wymilwood Women Students' Union, rental of room	12 00
Books for loan to Extension students ($196.12):	
Thos. Allen	11 20
MacMillan Co.	40 16
Oxford University Press	29 20
Ryerson Press	19 95
University Press	20 85
Accounts under $10 (15)	74 76
Office expenses ($3,038.41):	
D. Gestetner, Ltd., ink, stencils and paper	886 43
Grand & Toy, desk, etc.	31 05
Postage	860 00
Robbins & Townsend, typewriter rental and inspection	97 40
Saturday Night Press, envelopes, etc.	11 86
University Press, printing and stationery	1,081 94
Sundry disbursements by Director:	
Carfare, $9.00; telegrams, etc. $34.95; sundries, $10.48	54 43
Superintendent's Dept., freight, $2.32; labour, $12.98	15 30
Extra clerical assistance ($211.67):	
Miss V. Sheldon, 10 weeks	160 00
L. Rule, 5 weeks, 1½ days	51 67
	$58,665 90
(b) Publicity:	
Advertising and announcements ($1,776.79):	
Albert College	$10 00
Belleville College Institute and Vocational School	10 00
Canadian Association of Occupational Therapy	45 00
Canadian Association of Social Workers	12 00
Canadian Bookman	20 00
Canadian Federation of University Women	20 00
Canadian Public Health Association	33 75
Canadian Review	50 00
Canadian Society of Forest Engineers	50 00
Central College, Hamilton	11 00
Central Technical School	15 00
Copp Clark Co.	20 00
Daily Times Journal, Fort William	25 20
Dufferin School Old Boys' Association	15 00
Educational Publishing Co.	24 00

Evening Telegram	156 38	
The Freemason	25 00	
Glebe Collegiate Institute	15 00	
Globe & Mail	206 62	
Globe Printing Co.	26 20	
Hamilton Normal School	10 00	
Humberside Collegiate	15 00	
Jarvis Collegiate	11 00	
Jewish Standard	10 08	
Kirkland Lake High School	10 00	
Labour Leader	50 00	
Legionary	26 25	
Lisgar Collegiate Institute	15 00	
Masonic Sun	25 00	
News Chronicle Publishing Co.	24 00	
Normal School, Ottawa	12 00	
Northern Vocational School	15 00	
Oakwood Collegiate	12 50	
Ontario Curling Association	25 00	
Ontario Educational Association	20 00	
Ontario School Trustees & Ratepayers Association	25 00	
Parkdale Collegiate Institute	10 00	
Hon. J. C. Patterson Collegiate Institute	25 00	
Peterboro Collegiate & Vocational School	12 50	
"The Promenade"	40 00	
Scarboro Collegiate Institute	24 00	
"The School," Ontario College of Education	30 00	
Toronto Daily Hebrew Journal	91 88	
Toronto Daily Star	42 05	
Toronto Normal School	20 00	
Undergraduate Magazine	28 00	
University Schools	11 00	
University of Toronto Monthly	119 38	
Walkerville Collegiate Institute	15 00	
Wycliffe College	15 00	
Accounts under $10 (28)	197 00	
Issue of University bulletins, exhibits and other forms of publicity ($3,674.32):		
Canadian National Exhibition, electrical services	27 35	
Canadian Press Clipping Service	45 00	
Cooper Florist, decorations for exhibit	18 00	
Gooch & Sons, special insurance on exhibit at Canadian National Exhibition	15 00	
Photographic Service, prints and slides	55 40	
Postage	775 00	
University Press, printing and stationery	2,380 92	
Services in connection with exhibit at Canadian National Exhibition:		
W. J. LeRay	120 00	
T. Stovell	45 00	
Accounts under $10 (8)	16 90	
Superintendent's Dept., labour, $121.97; material, $53.78	175 75	
Travelling expenses of organizers and speakers:		
W. J. Dunlop	300 00	
	$64,417 01	
Less credit from sale of bulletins, star maps, etc.	739 18	
		$63,677 83
		$82,740 33

XVIII. MEN'S RESIDENCES

126. Maintenance of Buildings.

(a) University (North, East and South Houses):	
Heat and light	$3,370 48
Fuel:	
Central Coal Co.	51 75
Water	183 02

Caretaker's supplies:			
Superintendent's Dept., material		654 14	
Cleaning and house service ($6,982.45):			
Allen Mfg. Co., laundry		393 75	
Superintendent's Dept., labour		6,588 70	
Repairs and renewals ($3,322.08):			
Wm. Bartlett & Sons, shades		27 43	
Canadian Powers Regulators Co., regulators		71 50	
W. E. Routery, plaster repairs		130 15	
Robert Simpson Co., mattresses, etc.		195 66	
John Smith, mattress repairs		50	
Superintendent's Dept., labour, $1,776.86; material, $1,119.98		2,896 84	
Caretaker, H. Brown, 12 mos.		1,350 00	
		$15,913 92	
Less heat and light charged to Central Power Plant	$3,370 48		
Credit from sale of furniture, cleaning, etc.	282 83		
		$3,653 31	
			$12,260 61
(b) University College (No. 73 St. George Street):			
Light		$168 48	
Fuel ($736.91):			
Central Coal Co.		145 03	
Conger Lehigh Coal		591 88	
Gas, $10.68; water, $52.60		63 28	
Caretaker's supplies:			
Superintendent's Dept., material		110 07	
Cleaning and furnace man ($2,153.23):			
Allen Mfg. Co., laundry		94 31	
Superintendent's Dept., labour		2,058 92	
Repairs and renewals ($405.28):			
Wm. Bartlett & Sons, shade		1 75	
Superintendent's Dept., labour, $273.38; material, $130.15		403 53	
		$3,637 25	
Less light charged to Central Power Plant	$168 48		
Credit for repairs	3 82		
		$172 30	
			$ 3,464 95
			$15,725 56

XIX. WOMEN'S RESIDENCES AND UNION

127. Maintenance of Buildings.

Whitney Hall:			
Heat and light		$4,472 13	
Fuel ($132.16):			
Central Coal Co.		121 61	
Elias Rogers Co.		10 55	
Gas. $479.16; water, $484.11		963 27	
Repairs and renewals ($2,784.12):			
Allen Mfg. Co., laundry		12 30	
Kelvinator Ltd., refrigerator service		57 31	
Perrin-Turner, Ltd., ice machine repairs		13 05	
W. E. Routery, plaster repairs		21 30	
Supreme Boiler & Engineering Co., boiler repairs		22 86	
Accounts under $10 (3)		16 89	
Superintendent's Dept., labour, $1,863.08; material, $777.33		2,640 41	
Furnace and boiler man:			
Superintendent's Dept., labour		354 73	
		$8,706 41	
Less heat and light charged to Central Power Plant	$4,472 13		
Credit from sale of furniture	3 00		
		$4,475 13	
			$4,231 28

92 & 94 St. George Street:		
Fuel ($788.63):		
Central Coal Co.	$193 91	
Conger Lehigh Coal Co.	659 97	
Elias Rogers Co.	21 00	
Superintendent's Dept., labour	3 75	
Gas, $26.52; electric current, $131.64; water, $51.92	210 08	
Repairs and renewals ($1,283.63):		
W. E. Routery, plaster repairs	13 60	
Accounts under $10 (2)	16 62	
Superintendent's Dept., labour, $944.30; material, $309.11	1,253 41	
Furnace and boiler man:		
Superintendent's Dept., labour	117 50	
		$2,399 84
49 St. George Street:		
Fuel ($509.48):		
Central Coal Co.	$62 66	
Conger Lehigh Coal Co.	413 92	
Elias Rogers Co.	31 50	
Superintendent's Dept., labour	1 00	
Gas, $23.10; electric current, $128.48; water, $34.89	186 47	
Repairs and renewals ($372.27):		
Wm. Bartlett & Son, shades	4 10	
Superintendent's Dept., labour, $253.30; material, $114.87	368 17	
Furnace and boiler man:		
Superintendent's Dept., labour	69 01	
		$1,136 83
University College Women's Union:		
Heat and light	$1,004 78	
Gas, $125.44; water, $55.07	180 51	
Repairs and renewals ($1,213.41):		
Robert Simpson Co., linoleum	55 00	
Vulcan Asphalt & Supply Co., asphalting	65 95	
Accounts under $10 (4)	22 88	
Superintendent's Dept., labour, $807.19; material, $262.39	1,069 58	
Caretaker, Leo Cole, 12 mos.	1,400 00	
	$3,798 70	
Less heat and light charged to Central Power Plant	1,004 78	
		$2,793 92
		$10,561 87

128. Housekeeping Account.

(a) Combined General Charges:	
Provisions ($23,391.48):	
Acme Farmer's Dairy	$2,107 99
B. Amodeo & Son, fruit and vegetables	2,697 04
Arcade Florist, flowers	66 35
Belle Ewart Ice & Fuel Co., ice	41 78
J. Blood, meat and provisions	15 40
Bowes, Ltd., butter and provisions	574 63
Bredins Bread	152 04
Canada Bread Co.	241 17
Canada Dry Ginger Ale, Ltd.	145 95
Canada Packers, Ltd., meat	4,075 95
Christie, Brown & Co., biscuits	86 19
City Dairy	570 13
Geo. Coles, Ltd., cake and biscuits	13 31
Jas. Cridland & Sons, meat	12 65
Dundalk Farmer's Co-Operative Co., poultry & eggs	97 22
T. Eaton Co., provisions	12 73
Everest Bros., fruit and vegetables	275 80
John F. Fee, eggs, etc.	707 00
Miss Marion B. Ferguson, sundry disbursements	16 18
First Co-Operative Packers of Ontario, lard	35 95
Haeberlin's Swiss Bakery, confectionery	68 75
Miss F. C. Hahn, honey	40 50

G. C. Hardy, cheese		27 93
Samuel Harris, meat and cheese		889 38
H. J. Heniz & Co., canned goods		166 24
Harry Horne & Co., jelly powder		79 34
Frank Hunnisett, Ltd., meat		142 10
Hunts Ltd., confectionery		19 05
Ideal Bread Co.,		539 26
F. T. James Co., tea		95 05
Loblaw Groceterias, provisions		1,477 08
James Lumbers Co., tea		334 36
McCormick Mfg. Co., biscuits		286 90
D. McIntyre Co., fish		186 77
McIver & Co., meat		792 81
McLaren, Wright, Ltd., cheese		53 08
National Groceries, Ltd., provisions		3,141 84
Wm. Neilson, Ltd., ice cream		738 14
Purity Bread, Ltd.		70 23
Red Wing Orchards, apples and juice		45 48
Sani Sealed Dairies, milk		558 88
E. D. Smith & Sons, jam		142 93
M. J. Smith, vegetables		57 56
J. M. Schneider, Ltd., meat		402 87
Toronto Men's Hostel		24 70
Topeka Co., coffee		43 75
Watson Food Products, potato flakes		55 75
F. Wells & Sons, meat		668 55
Geo. Weston, Ltd., biscuits		76 69
Geo. Weston Bread & Cake Co., rolls		189 51
Accounts under $10 (8)		30 54
Cleaning and house service ($8,435.79):		
Canadian Fairbank-Morse Co., scale inspection, etc.		16 50
T. Eaton Co., kitchen supplies		58 04
A. Guinness & Co., paper doilies		87 64
Miss Marion B. Ferguson, sundry disbursements		21 21
Dr. H. Gibson Hall, medical examination of maids		24 50
Hospital & Kitchen Equipment Co., urn repairs		15 00
Robert Simpson Co., sheeting		26 55
Stewart LeGrise, Ltd., candles		22 40
Accounts under $10 (3)		12 22
Pay list, wages of maids, etc.		8,122 75
Superintendent's Dept., labour, $17.68; material, $11.30		28 98
Furnishings and sundry renewals ($1,115.29):		
Aluminum Goods Ltd., trays, utensils, etc.		48 93
Canadian Wm. A. Rogers, Ltd., silverware repaired		73 31
Cassidy's, Ltd., dishes and glassware		327 69
T. Eaton Co., table linen, etc.		50 14
Mappin, Ltd., jugs, etc.		14 70
Robert Simpson Co., cutlery, towelling, etc.		236 36
Wrought Iron Range Co., steam table, covers, coffee boiler, etc.		62 14
Accounts under $10 (2)		8 07
Superintendent's Dept., labour, $127.23; material, $166.72		293 95
Office supplies, infirmary service, etc. ($233.45):		
T. Eaton Co., medical supplies, pencils pads, etc.		44 37
Miss Marion B. Ferguson, sundry disbursements, drugs, telegrams, etc., $19.26; nurses for infirmary, $15.00		34 26
Parsons-Steiner, Ltd., dishes		26 91
Postage		36 77
Robert Simpson Co., sheeting		26 15
University Press, printing and stationery		45 07
Accounts under $10 (3)		7 75
Superintendent's Dept., labour, $7.09; material, $5.08		12 17
Staff salaries (additional to Dean of Women charged under University College General):		
Dietitians (with living valued @ $400 each):		
Miss J. Barber, 12 mos.	$1,700 00	
Miss V. R. Murphy, 12 mos.	1,100 00	
Summer Assistant:		
Miss M. Russell, 26 weeks, 2 days	210 67	

Secretary-Hostess, Mrs. L. R. Howard, 12 mos. (with living valued @ $400)		1,000 00		
Nurse-Housekeeper, Mme. J. Ledoux, 12 mos. (with living valued @ $400)		1,100 00		
		$5,110 67		
charged as follows:				
Combined General Charges	$4,110 67			
Women's Union	400 00			
Whitney Hall	600 00			
			$ 4,110 67	
			$37,286 68	
Less credits: napkin rings, keys, etc.			10 75	
				$37,275 93
(b) University College Women's Union:				
Cleaning and house service ($1,662.20):				
Miss Marion B. Ferguson, sundry disbursements			$19 10	
New York Window Cleaning Co.			20 00	
Parisian Laundry Co.			222 06	
Accounts under $10 (5)			17 07	
Pay lists, wages of maids, etc.			1,085 51	
Superintendent's Dept., labour, $76.89; material, $221.57			298 46	
Furnishings and sundry renewals ($579.08):				
Brown's Upholstery, sofa upholstered			18 15	
Canada Label & Webbing Co., labels			6 46	
Cutten-Foster & Sons, material			28 98	
T. Eaton Co., chairs, etc.			288 47	
Persian Arts & Crafts, rugs repaired			41 75	
Ridpath's Ltd., curtain material			29 30	
Robert Simpson Co., net, etc.			116 98	
Superintendent's Dept., labour, $14.72; material, $34.27			48 99	
Piano, magazines, etc. ($53.58):				
T. Eaton Co., magazines, etc.			23 18	
Miss Marion B. Ferguson, sundry disbursements			9 40	
Heintzman & Co., piano tuning			21 00	
Share of salaries, detailed under Combined General Charges			400 00	
				$2,694 86
(c) Whitney Hall:				
Cleaning and house service ($7,860.89):				
Acme Window Cleaning Co.			$14 50	
Baker Carpet Cleaning Co.			13 88	
T. Eaton Co., cleaning supplies			34 25	
Langley's Ltd., curtains, rugs, etc. cleaned			236 83	
Parisian Laundry Co.			997 67	
White Window Cleaning Co.			15 00	
Accounts under $10 (2)			8 93	
Pay lists, wages of maids, etc.			5,395 25	
Superintendent's Dept., labour, $488.63; material, $655.95			1,144 58	
Furnishings and sundry renewals ($1,057.89):				
Allan-White A. W. Co., tapestry			15 00	
Brown's Upholstery, furniture repaired, slip covers, etc.			369 76	
Canada Label & Webbing Co., labels			13 31	
Cutten-Foster & Sons, material			16 70	
Robert Simpson Co., curtain material, desk, etc.			221 36	
Singer Sewing Machine Co., sewing machines, $137.44, less allowance on old machines $15			122 44	
Thornton-Smith Co., material			112 25	
Accounts under $10 (2)			9 59	
Superintendent's Dept., labour, $62.45; material, $115.03			177 48	
Piano, magazines, etc. ($37.48):				
Heintzman & Co., piano tuning			22 50	
Stromberg-Carlson Telephone Co., radio repairs			14 98	
Share of salaries, detailed under Combined General Charges			600 00	
			$9,556 26	
Less credit from students' damages, etc.			250 15	
				$9,306 11

(d) 94 St. George Street:		
Cleaning and house service ($1,468.78):		
Allen Mfg. Co., laundry	$101 38	
T. Eaton Co., cleaning supplies	16 01	
Electrolux, Ltd., hose repairs	12 15	
Accounts under $10 (5)	18 13	
Pay lists, wages of maids, etc.	1,074 60	
Superintendent's Dept., labour, $87.47; material, $159.04	246 51	
Furnishings and sundry renewals ($1,016.12):		
Brown's Upholstery, mattresses re-made, etc.	159 00	
T. Eaton Co., linoleum, etc.	148 14	
John Kay Co., rug	28 50	
Parsons-Steiner, Ltd., plates	5 16	
Persian Arts & Crafts, rugs repaired	33 00	
Robert Simpson Co., beds, etc.	468 15	
Superintendent's Dept., labour, $39.95; material, $134.22	174 17	
Piano, etc.		
Accounts under $10 (2)	9 00	
Meals for Resident Head	160 00	
	$2,653 90	
Less credit from sale of furniture	18 00	
		$2,635 90
(e) 49 St. George Street:		
Cleaning and house service ($745.44):		
Allen Mfg. Co., laundry	$45 77	
T. Eaton Co., cleaning supplies	15 14	
Accounts under $10 (3)	10 75	
Pay lists, wages of maids, etc.	635 65	
Superintendent's Dept., labour, $3.50; material, $34.63	38 13	
Furnishings and sundry renewals ($198.30):		
Brown's Upholstery, chesterfield repaired	49 00	
Cutten-Foster & Sons, material	36 75	
T. Eaton Co., hooks	2 43	
Persian Arts & Crafts, rugs repaired	19 50	
Superintendent's Dept., material	90 62	
Piano:		
Heintzman & Co., tuning	7 50	
		$951 24
		$52,864 04

XX. 129. CENTRAL POWER PLANT

Fuel ($82,577.01):	
British American Oil Co.	$146 50
Canada Coal, Ltd.	2,631 49
Cities Service Oil Co.	80 00
Conger Lehigh Coal Co.	29,270 35
Great Lakes Coal Co.	29,193 23
Imperial Oil. Ltd.	90 00
McColl Frontenac Oil, Ltd.	170 00
Milnes Coal Co.	8,080 11
Elias Rogers Co.	12,901 70
Superintendent's Dept., labour	13 63
Hydro-Electric current, $28,374.53; water, $585.63	28,960 16
Repairs and renewals, engineers supplies: and miscellaneous items ($13,322.38):	
Aikenhead Hardware Ltd., hardware	28 29
Babcock-Wilcox & Goldie McCulloch, furnace parts	109 45
Beldams Asbestos Packing & General Mfg. Co., asbestos	80 97
Canadian Allis-Chalmers	21 41
Canadian Charts & Supplies, charts	40 63
Canadian Gasket Co., gaskets	26 50
Canadian National Carbon Co., brushes	83 60
Dearborn Chemical Co., treatments	547 53
Diamond Specialty Ltd., elements, tubes, etc.	38 01
Dominion Bridge Co., plates	16 52
Dominion Wheel Foundries, Ltd., grate bars	404 87
Elliott & Co., cutters	25 17

Foster & Wheeler, Ltd., Fire Clay-grates, etc.	945 39	
Garlock Packing Co., coils, etc.	111 78	
McColl Frontenac Oil Ltd., oil	361 05	
McGregor McIntyre Iron Works, coal chute liners	26 00	
Robert Engineering Works, crosshead pin, etc.	15 00	
Robinson Clay Products, straights	42 50	
Smart Turner Machine Co., pump repairs	76 00	
G. F. Sterne & Sons, cement	61 56	
University Press, printing and stationery	46 40	
Accounts under $10 (8)	49 20	
Advertising for coal tenders	39 55	
Superintendent's Dept., freight, $8.06; labour, $8,186.64; material, $1,930.30	10,125 00	
Sundries: Electrical distribution ($21,925.19):		
Canadian Westinghouse Co., transformers, etc.	8,864 73	
W. E. Dillon Co., doors	132 50	
Dominion Bridge Co., steel framing	180 00	
Grant Construction Co., transformer rooms	1,587 22	
Superintendent's Dept., labour, $5,099.64; material, $6,061.10	11,160 74	
Engineers, assistant engineers, firemen and trimmers ($20,692.13):		
Chief Engineer, C. S. Moseley, 12 mos.	2,900 00	
Assistant engineers (each 12 mos.):		
L. McMaster	1,860 00	
W. Smith	1,860 00	
A. McHugh	1,740 00	
S. Simpson	1,680 00	
Firemen @ $110.00 to $120.00 per mo.:		
Sundry persons	4,786 82	
Trimmers, boiler cleaners and pump attendants @ $90.00 to $120.00 per mo.:		
Sundry persons	5,865 31	
	$167,476 87	
Less sale of cinders, etc.	535 58	
		$166,941 29

XXI. MISCELLANEOUS AND GENERAL

130. Central Stores.

Storekeeper, C. A. Johnston, 12 mos.	$2,000 00	
Assistant Storekeeper, S. Tipping, 12 mos.	1,200 00	
Clerk, Miss J. Taylor, 12 mos.	1,100 00	
Heat and light	375 79	
Volatile Solvents Storage ($2,644.31):		
Dominion Fire & Burglary Alarms, Ltd., automatic fire alarm	233 00	
T. Eaton Co., frame	63	
La France Fire Engine & Foamite Co., service mask	58 80	
J. Robert Page, concrete floor	160 00	
Superintendent's Dept., labour, $1,426.36; material, $765.52	2,191 88	
	$7,320 10	
Less heat and light charged to Central Power Plant	375 79	
		$6,944 31

131. Grounds.

Foreman Gardiner, R. R. Corbett, 12 mos.	$1,900 00
Lighting account	362 30
Labour, gravel, roadways, granolithic walks, flowers, shrubs and general expenses ($18,057.43):	
Aikenhead Hardware, Ltd., hardware	50 37
Barber Construction Co., driveway	834 97
Builders' Supplies, Ltd., stone	13 82
Canadian Industries, Ltd., gardenite	140 00
Central Coal Co., fuel	10 35
City Treasurer, water main repairs	91 90
Dr. Geo. A. Clark, veterinary services	10 50
R. Fortescue, purchase of garage	25 00
Grant Contracting Co., bricking manhole, etc.	152 50

Grose Fertilizers & Chemicals, Ltd., plant food		89 00	
Joe Hampson, sand		67 50	
F. Hogg Nursery Co., bulbs		63 10	
Johnstone Haulage Co., cartage		40 50	
Kinghorn Construction Co., roads re-surfaced		603 70	
Lumb & Scotland, flagpole repaired		19 30	
McBain Foundry, grates		12 96	
S. McCord & Co., concrete		17 53	
W. Miller & Co., plants		218 65	
Provincial Treasurer, truck license		48 50	
Hugh Reid, horse shoeing		34 55	
Riseborough & Jackson, feed		128 53	
Salem's Garage, truck repairs		135 75	
Sheridan Nurseries, bulbs		21 85	
Robert Simpson Co., supplying decorations		59 75	
W. G. Stephenson, surfacing		47 46	
W. P. Warner, fertilizer and sod		225 27	
Ed. Webb & Son, grass seed		184 00	
Accounts under $10 (11)		43 59	
Superintendent's Dept., labour, $13,730.38; material, $936.15		14,666 53	
		$20,319 73	
Less light charged to Central Power Plant	$362 30		
Credit for cartage, etc.	197 77		
		$560 07	
			$19,759 66

132. Protective Service.

Pay of constables and nightwatchmen ($15,619.65):		
Constables:		
R. J. D'Arcy, 12 mos.	$1,950 00	
H. V. Spence, 11 mos.	1,375 00	
C. Scruby, 12 mos.	1,320 00	
H. Hughes, 9 mos., 7 days	831 00	
D. Keddie, 1 mo., 5 days	83 88	
Nightwatchmen:		
W. A. Evans, 12 mos.	1,320 00	
J. Kirkwood, 12 mos.	1,320 00	
W. Lotto, 12 mos.	1,320 00	
W. Hunter, 12 mos.	1,260 00	
J. C. Smith, 12 mos.	1,260 00	
A. Smith, 11 mos., 2 days	1,218 95	
W. Gordon, 9 mos., 9 days	1,019 82	
A. Endersby, 298 nights	894 00	
J. J. O'Connor, 108 nights	324 00	
A. Worthy, 21 nights	63 00	
J. H. Lee, 19 nights	57 00	
W. A. Gillies, 1 night	3 00	
Uniforms, clocks, dials, etc. ($283.65):		
Hardinge Bros, clock repairs, dials, etc.	71 90	
Tip Top Tailors, uniforms	133 30	
University Press, printing and stationery	30 78	
Accounts under $10 (2)	2 97	
Superintendent's Dept., labour, $23.61; material, $21.09	44 70	
		$15,903 30

133. Telephones.

Bell Telephone Co., service to 30 June		12,716 42
Less receipts from sub-services	$3,353 42	
residences	775 00	
slot machines	149 08	
		$4,277 50
		$8,438 92
Switchboard operators ($4,406.37):		
Mrs. J. Hoddinott, 12 mos.		$1,056 00
Miss E. M. Crawford, 12 mos.		960 00
Miss M. Maher, 11 mos., 23 days		884 27
Miss J. Brown, 11 mos., 4 days		834 10

Relief:		
Miss H. Gardiner	374 10	
Miss M. Burgess	215 25	
Mrs. H. McCready	32 40	
Miss T. Swinton	30 75	
Sundry persons (2)	19 50	
		$12,845 29

134. Insurance.

Fire:		
Balance of premiums on general Schedule as renewed for three years from 1 January, 1937, brought forward from 1937-38 and chargeable to 1938-39	$16,387 92	
Balance of additional premiums on Schedule as revised at 10 March, 1938, brought forward from 1937-38 and chargeable to 1938-39	5,036 64	
Casual premiums:		
Economics Building:		
British Traders' Insurance Co.	438 75	
Stadium Grandstand & Bleachers:		
British Traders' Insurance Co.	1,267 00	
No. 119 St. George Street:		
Canada Accident & Fire Insurance Co.	52 63	
Biological Specimens loaned by Royal College of Surgeons:		
Dominion of Canada General Insurance Co.	60 00	
Botanical Field Laboratory:		
Home Insurance Co.	25 00	
Accounts under $25 (3)	47 05	
Burglary & Hold-up:		
Dominion of Canada General Insurance Co.	629 38	
Automobiles:		
Dominion of Canada General Insurance Co., University-owned cars, $214.94; non ownership coverage, $160	374 94	
Canadian Bank of Commerce:		
One year's charge for guarantee re safekeeping of securities	150 00	
	$24,469 31	
Less rebates on cancelled policies	78 45	
		$24,390 86

135. Law Costs.

Hamilton Cassels, K. C., taxed costs as Solicitor to the University	$886 75

136. Taxes.

City Treasurer, Toronto:		
Second annual payment, under agreement, in lieu of taxes on certain properties in the City of Toronto	$7,500 00	
To complete payment for 1937-38 under revised agreement	2,431 57	
		$9,931 57

137. Auditor's Fees.

Clarkson, Gordon, Dilworth and Nash, annual remuneration	$3,000 00

138. Travelling Expenses.

President and Academic Staff ($2,115.84):	
President H. J. Cody	$94 85
E. A. Allcut	40 00
R. W. Angus	10 50
K. S. Bernhardt	15 00
L. G. Berry	26 66
E. A. Bott	15 00
R. Brauer	40 00
J. T. Burt-Gerrans	40 00
J. Cano	26 66
N. S. F. Chant	15 00
W. H. Clawson	40 00
G. G. Cosens	39 10
G. P. Cosgrave	15 00

E. A. Dale	14 15	
R. G. Ellis	16 66	
K. C. Fisher	25 00	
F. E. J. Fry	16 00	
R. J. Godfrey	16 66	
E. Goggio	26 66	
T. A. Goudge	50 00	
A. E. Grauer	36 10	
W. J. K. Harkness	16 00	
C. W. M. Hart	26 66	
J. F. Heard	25 00	
F. S. Hogg	200 00	
F. P. Ide	23 00	
F. G. Kergin	40 30	
J. D. Ketchum	15 00	
L. A. Kilbourn	16 66	
L. T. Krueger	16 66	
A. E. Linell	40 00	
F. M. Lott	16 66	
W. J. McCurdy	10 00	
E. A. Macdonald	20 89	
Miss A. C. MacGregor	40 00	
T. F. McIlwraith	26 66	
N. MacKenzie	40 00	
H. H. Madill	25 00	
A. D. Mason	16 66	
T. J. Meek	75 00	
V. B. Meen	26 66	
C. H. Mitchell	25 00	
E. S. Moore	40 00	
P. Nash	26 66	
V. J. Okulitch	40 00	
M. A. Peacock	26 66	
G. Robinson	40 00	
W. L. Robinson	40 00	
L. S. Russell	39 90	
E. S. Ryerson	121 60	
R. M. Saunders	26 70	
J. E. Shaw	26 66	
C. G. Smith	100 00	
J. L. Synge	40 00	
Griffith Taylor	10 00	
W. R. Taylor	40 00	
W. S. Wallace	39 40	
F. V. Winnett	32 00	
G. F. Wright	12 45	
C. R. Young	40 00	
Sundry persons	13 00	
Out-of-town Members of the Senate ($660.70):		
A. E. K. Bunnell	16 70	
Judge J. S. Campbell	62 50	
Judge D. J. Cowan	108 35	
W. J. Deadman	38 45	
J. H. Hardy	45 95	
Dr. C. D. McGilvray	18 60	
J. McQueen	4 40	
T. M. Mulligan	53 90	
J. P. S. Nethercote	34 70	
W. J. W. Reid	13 60	
J. B. Reynolds	54 15	
H. S. Robertson	53 30	
W. J. Salter	39 10	
H. J. Sims	11 50	
L. F. Stephens	67 60	
A. R. Walker	37 90	
		$2,776 54

139. Receptions to Societies and University Visitors.

Expenses re sundry public lectures ($1,015.65):	
K. de B. Codrington	$50 00

Prof. E. Ermatinger	45 40	
Prof. Henri Gregoire	75 00	
Philip Grove	50 00	
Prof. D. C. Harvey	130 00	
Miss Marion Hathway	40 25	
Prof. G. S. Hume	50 00	
Prof. Chester New	50 00	
Sir Firozkhan Noon	50 00	
Prof. F. Ochlkers	25 00	
Dr. Gordon N. Patterson	50 00	
Prof. Wm. Lyon Phelps	50 00	
Prof. Roscoe Round	75 00	
Prof. H. P. Robertson	100 00	
Sir W. David Ross	100 00	
Dr. Hans Simon	75 00	
Catering on sundry occasions ($483.36):		
Alexandra Palace Apartments, guest room charges	59 37	
Hart House, teas and luncheons $142.40; sundry guests, $11.35	153 75	
University College Women's Union, President's dinner to Student's Administration Council	38 75	
York Club, luncheons: Lord Baldwin $110.25; Sir F. Noon, $54.80; Lord Greenwood, $48.10	213 15	
Accounts under $10 (3)	18 34	
	$1,499 01	
Less credit from expenses of American Physical Society paid in 1937-38	11 76	
		$1,487 25

140. Convocation Expenses.

Hoods, gowns, printing programmes, invitations, etc:		
Harcourt's Ltd., hoods	$73 25	
Walter & Son, hoods	51 00	
University Press, printing and stationery	282 58	
Accounts under $10 (2)	9 25	
		$416 08

141. Aid to Publications and Societies.

Alumni Federation	$2,500 00	
Royal Astronomical Society	150 00	
Royal Society of Canada	400 00	
Universities Bureau of the British Empire	291 06	
British School of Archaeology, Jerusalem	100 00	
British School at Rome	100 00	
American School at Athens	201 31	
American School of Oriental Research, Jerusalem	100 00	
American School of Oriental Research, Bagdad	100 00	
Association of American Universities	50 00	
Council of Canadian Universities	50 00	
Society for Promotion of Engineering Education	15 29	
Student's Administrative Council (re student lodgings)	100 00	
		$4,157 66

142. Senate Elections.

(Nothing spent)

143. Bursaries.

Awards to sundry students:		
Faculty of Arts	$8,501 50	
Faculty of Medicine	3,725 00	
Graduate Studies	163 00	
		$12,389 50

144. Contingencies.

Banting Institute Alterations and Construction: balance written off	$133 34	
Geo. Coles, Ltd., catering re Ontario Educational Association Convention	157 50	
Hart House, catering re Social Science convention	54 75	
Dunlops, Ltd., flowers for funerals	81 00	

Hydro Electric Power Commission, permit and inspection fee, work done by University employees	50 00	
Manufacturers Life Insurance Co., interest on mortgage, 104 St. George Street	438 63	
Purchase of fixtures, etc., 119 St. George Street	218 92	
National Trust Co., cost of valuation and report on property, 119 St. George Street	32 00	
Provincial Treasurer, portion of cost of printing University Report	127 71	
Remembrance Day Committee, wreath for Tower Memorial Service	13 00	
Miss I. M. D. Sutherland, illuminated address for Dr. F. A. Mouré	100 00	
Accounts under $10 (7)	36 48	
Workmen's Compensation:		
Workmen's Compensation Board to cover allowances paid to employees, etc.	415 71	
Medical services for injured employees, etc.		
Dr. W. G. Cosbie	25 00	
Dr. S. D. Gordon	15 00	
J. F. Hartz & Co., surgical appliances	12 00	
Dr. L. C. Palmer	18 00	
Dr. G. E. Richards	12 50	
Dr. H. J. Shields	10 00	
Dr. A. C. Singleton	10 00	
Dr. R. H. Thomas	83 00	
Toronto General Hospital	132 35	
Sundry doctors (7)	32 50	
		$2,209 39
		$117,098 16

XXII. 145. CAPITAL ACCOUNT CHARGES

Accountant, Supreme Court of Ontario, thirtieth annual payment on debenture issue of 1909	$25,260.		
Less portion charged to Ontario College of Education	10,000.		
		$15,260 00	
Accountant, Supreme Court of Ontario, twenty-fourth annual payment on debenture issue of 1915, re Hart House		$5,975 00	
Accountant, Supreme Court of Ontario, fifteenth annual payment on debenture issue of 1924, re Forestry Building		10,000 00	
Toronto General Hospital, twenty-eighth annual payment on debenture issue of 1911 re grant to Toronto General Hospital		15,157 00	
Toronto General Hospital, twenty-seventh annual payment on debenture issue of 1911, re old Pathological Building		6,568 00	
University of Toronto (Rockefeller Endowment—Medicine) tenth annual payment on debenture issue of 1929 re Banting Institute		64,193 00	
Royal College of Dental Surgeons, interest on liability of $50,000		2,500 00	
			$119,653 00

XXIII. SPECIAL RESEARCH

146. Departmental Appropriations.

(a) Arts:	
Biology:	
Research Assistants:	
L. Butler, 11 mos.	$420 00
A. Wilkes, 8 mos.	650 00
C. J. Kerswill, 8 mos.	450 00
Miss A. M. Ironside, 8 mos. (paid also in department)	400 00
H. B. Wressell, 8 mos.	400 00
R. B. Miller, 8 mos.	300 00
S. H. Chambers, 8 mos. (paid also in department)	100 00
H. M. Rogers, 8 mos.	150 00
D. G. Wilder, 10 weeks	40 00
R. Tarbett, 9 weeks	72 00
Expenses ($987.12):	
Art Metropole, bulb	10 29
James G. Biddle Co., rheostat	19 28
Canadian Westinghouse Co., relay	12 38
Walter A. Carveth & Co., objectives	49 00

Central Bird Store	10 00	
Central Scientific Co., chemicals and glassware	46 84	
Fish-Schurman Corporation, glass filters, etc.	10 94	
J. F. Hartz Co., chemicals and glassware	17 10	
The Hatchery, aquariums	10 50	
Kelley Feed & Seed Co., feed	63 06	
General Radio Co., radio parts	15 50	
James G. Graham, glass-blowing	80 53	
R. Laidlaw Lumber Co., sawdust	21 00	
Lake Simcoe Ice & Fuel Co., ice	10 00	
Macalaster Bicknell Co., micro-respirometer	47 86	
Maple Leaf Milling Co., feed	64 05	
Murphy's Drug Store, film carrying case	82 20	
St. Augustine Alligator Ostrich Farm, alligators	27 32	
Arthur H. Thomas Co., paper	16 23	
Wholesale Radio Co., radio parts	111 08	
Class assistance:		
Sundry persons	18 00	
Accounts under $10 (33)	144 40	
Sundry disbursements by department:		
Food supplies, $10.58; hardware, etc. $8.53; sundries, $10.88	29 99	
Superintendent's Dept., labour, $52.36; material, $17.21	69 57	
	$3,969 12	
Fisheries Research:		
Research Assistants:		
F. E. J. Fry, 12 mos. (paid also in department)	$1,250 00	
R. R. Langford, 12 mos. (paid also in department)	1,250 00	
Expenses ($1,797.21):		
W. J. Harkness, disbursements: Board and meals, $163.60; travelling and hotel expenses, $50.55; used car, $276.00; gas and oil, $66.82; hardware and lumber, etc., $98.83; tags, $119.74; sundries, $36.01	811 55	
American Instrument Co., thermoregulators	20 09	
Borden Co., milk powder	10 29	
Central Scientific Co., stoppers, etc.	10 53	
T. Eaton Co., batteries, trays, oil, etc.	45 45	
John Leckie, Ltd.	12 75	
Postage	67 00	
University Press, printing and stationery	776 65	
Accounts under $10 (10)	38 25	
Superintendent's Dept., material	4 65	
		$8,266 33
Botany:		
Research Assistants:		
D. H. Hamly, 9 mos. (paid also in Departments of Applied Physics and Botany, and Special Research Applied Physics)	$460 00	
B. B. Hillary, 12 mos. (paid also in department)	525 00	
M. W. Bannan, 11 mos. (paid also in department)	400 00	
A. J. V. Lehmann, 4 mos. (paid also in department)	325 00	
C. N. Haldenby, 4 mos. (paid also in department)	270 00	
L. T. Richardson, 4 mos. (paid also in department	270 00	
W. R. Watson, 3 mos. (paid also in department)	295 00	
A. J. Skolko, 3 mos. (paid also in department)	210 00	
Miss G. Sylvia Taylor, 3 mos. (paid also in department)	210 00	
D. C. McPherson, 2 mos.	180 00	
A. R. Gopal-ayengar, 1 mo.	75 00	
Miss V. Facey, 1 mo. (paid also in department)	60 00	
C. D. McKeen, 1 mo. (paid also in department)	60 00	
H. M. Harrison, ½ mo. (paid also in department)	30 00	
Expenses ($562.53):		
Association Internationale D'Essais DeSemences, reprints	45 95	
British Aluminum Co., aluminum	13 12	
Canadian Liquid Air Co., rental of cylinders and gas	20 75	

Central Scientific Co., meter model, etc.		210 51	
W. B. Dunbar, drawings		20 00	
Eastman Photographic Stores, films, etc.		10 31	
Lancaster Press, reprints		13 61	
National Research Council of Canada, reprints		10 69	
Photographic Service, prints and slides		11 75	
Travelling and collecting expenses:			
R. B. Thomson		71 80	
T. M. C. Taylor		18 50	
H. B. Sifton		15 37	
H. S. Jackson		12 80	
University Press, printing and stationery		28 39	
Accounts under $10 (11)		39 25	
Superintendent's Dept., freight, $5.98; labour, $13.75		19 73	
			$3,932 53
(b) Medicine:			
Bio-Chemistry:			
Research Assistants:			
G. C. Butler, 2 mos.		$130 00	
W. H. Fishman, 2 mos. (paid also in department)		130 00	
Paul Hamilton, 2 mos. (paid also in department)		130 00	
Jules Tuba, 2 mos. (paid also in department)		105 00	
			$495 00
Experimental Medical Research:			
Chief Technical Assistant, W. Cowan, 12 mos.		$1,760 00	
Head of Animal Quarters, J. Minshull, 12 mos.		660 00	
Assistants in Animal Quarters:			
Cyril Lee, 12 mos.		720 00	
L. Hughes, 12 mos.		600 00	
Expenses ($3,200.90):			
Allen Mfg. Co., laundry		110 52	
Corbett-Cowley Ltd., uniforms		77 36	
E. Cullen, animals		795 40	
Down Bros., forceps		186 00	
Randolph Hinch, syringes		27 96	
Ingram & Bell, chemicals, gloves, blades, etc.		725 47	
Jones Bros. Co., plates, etc.		10 70	
Kelley Feed & Seed Co., feed		49 83	
Langley, Harris & Co., dog biscuits		200 00	
S. Lightfoot & Sons, vegetables		13 00	
John McGillian, carrots		96 55	
Mallinckrodt Chemical Works, ether		45 05	
Maple Leaf Milling Co., feed		281 25	
Ralston Purina Co., feed		340 36	
Accounts under $10 (2)		4 62	
Superintendent's Dept., labour, $55.74; material, $180.19		235 93	
		$6,940 90	
Less credit from sale of animals and feed		1,140 90	
		$5,800 00	
Charged to Dunlap Bequest	$3,300 00		
Charged to Reeve Bequest	1,000 00		
		$4,300 00	
			$1,500 00
(c) Applied Science:			
Applied Physics:			
Research Assistants:			
W. A. Mohun, 2 mos. (paid also in department)		$300 00	
L. E. Jones, 1 mo. (paid also in department)		175 00	
D. H. Hamly, 1 mo. (see also Botany)		175 00	
Expenses ($97.42):			
Walter A. Carveth & Co., reflex camera, etc.		76 25	
Consolidated Plate Glass Co., plate glass		21 17	
Architecture:			
Research Assistant:			
H. S. M. Carver, 3½ mos. (paid also in department)		350 00	
Expenses ($124.12):			

Draughting assistance:		
H. S. M. Carver	20 12	
F. P. Meschino	70 00	
Miss B. Mirochnik, assembling data	34 00	
Chemical Engineering:		
Research Assistants:		
N. R. Fasken, 4 mos. (paid also in department)	450 00	
W. H. Bowman, 3 mos.	450 00	
W. H. Rapson, 3 mos. (paid also in department)	450 00	
A. S. Weatherburn, 4 mos. (paid also in department)	400 00	
B. Marks, 3 mos. (paid also in department)	300 00	
G. P. Beal, 2 mos. (paid also in department)	200 00	
G. L. Case, 2 mos.	200 00	
W. C. Macdonald, 1 mo. (paid also in department)	125 00	
Expenses:		
Canadian Laboratory Supplies, acids	8 33	
Civil Engineering:		
Research Assistant:		
J. L. Orr, 2 mos.	200 00	
Electrical Engineering:		
Expenses ($30.97):		
Accounts under $10 (2)	16 36	
Wholesale Radio Co., radio parts	14 61	
Mechanical Engineering:		
Research Assistants:		
R. J. Birss, 4 mos. (paid also in department)	660 00	
G. Gung, 2 mos.	280 00	
Expenses ($121.85):		
Canadian General Electric Co., motors	22 00	
Central Scientific Co., rheostats	11 76	
Consolidated Plate Glass Co., plates	10 34	
W. R. McKee, hot plate repairs	49 70	
Accounts under $10 (2)	6 92	
University Press, printing and stationery	14 05	
Superintendent's Dept., labour, $1.75; material, $5.33	7 08	
School of Engineering Research:		
Expenses:		
American Waterworks Association, reprints	32 05	
University Press, printing and stationery	271 35	
Accounts under $10 (2)	9 81	
	$313 21	
Less credit for sale of material	22 15	
	$291 06	
	$5,388 75	
Charged to Wallberg Bequest	5,388 75	
		....
(d) Dentistry:		
Professor of Periodontology, H. K. Box, 12 mos. (half time)	$3,000 00	
Laboratory Technician, A. F. Fenton	1,500 00	
		$4,500 00
		$18,693 86

147. Banting and Best Research.

(a) Banting Research:		
Professor of Research in Medicine, Sir Frederick Banting, 12 mos.	$5,000 00	
Associate Professors, each 12 mos:		
W. R. Franks	3,700 00	
G. E. Hall	3,700 00	
D. A. Irwin	3,600 00	
C. C. Lucas	3,400 00	
Research Associates, each 12 mos:		
Miss S. Gairns	2,160 00	
D. P. C. Lloyd	2,100 00	

Research Fellows:	
L. F. King, 12 mos.	1,080 00
C. G. McEachern, 10 mos.	1,000 00
I. W. Mann, 10 mos.	1,000 00
J. M. Janes, 9 mos.	900 00
Research Assistants:	
John E. Goodwin 12 mos.	2,100 00
Miss J. M. Lang, 12 mos.	1,500 00
L. B. Macpherson, 12 mos.	1,500 00
Miss M. M. Shaw, 12 mos.	1,320 00
D. W. Lougheed, 12 mos.	960 00
Miss M. Wheatley, 12 mos.	900 00
G. A. Meek, 11 mos.	825 00
J. H. Johnston, 10 mos. 3½ weeks	1,077 00
Cosmo Marchant, 10 mos.	1,000 00
A. L. Hessin, 10 mos.	1,000 00
J. M. R. Beveridge, 10 mos.	800 00
Miss H. Macmorine, 10 mos.	750 00
Miss Elizabeth Grant, 9 mos.	675 00
G. F. Townsend, 8 mos.	600 00
H. J. Creech, 8 mos.	400 00
G. W. Manning, 4 mos. 6 days	418 00
F. E. Chase, 5 mos. 4 1/3 weeks	360 66
Miss M. L. Wilkinson, 5 mos. 9 days	318 66
F. L. Lawson, 3 mos. 22 days	303 00
W. K. Kerr, 3 mos. 26 days	292 50
R. C. Smith, 3 mos.	225 00
F. B. Thomson, 3 mos.	225 00
Bernard Leibel, 2 mos.	150 00
G. J. Millar, 2 mos.	100 00
Dr. Sheilah M. Gordon, 1 mo.	100 00
M. O'Sullivan, 1 mo.	90 00
H. Miller, 43 weeks	774 00
Research Technician:	
Miss E. Melrose, 5 mos.	450 00
Chemical Assistants:	
H. L. Collins, 2 mos.	280 00
H. N. MacFarland, 2 mos.	120 00
Technicians:	
L. C. Brock, 12 mos.	1,380 00
H. Douglas, 12 mos	1,200 00
J. E. Walker, 12 mos.	1,200 00
J. Conley, 12 mos.	1,140 00
G. Parkes, 12 mos.	840 00
D. Snow, 12 mos.	780 00
Miss N. Davy, 12 mos.	660 00
Albert Arcari, 9 mos. 3 weeks	482 55
Technical Assistants:	
Miss Eva Collins, 3 mos.	210 00
Miss B. MacIntyre, 3 weeks	45 00
Electrical Technician:	
A. T. Stringer, 10 mos. 10 days	1,034 50
Chemical Technicians:	
W. J. Watson, 12 mos.	660 00
H. Rudney, 10 mos.	600 00
Laboratory Assistant, C. Collins-Williams, 1 mo. 15 days	75 00
Laboratory Attendant, Mrs. Alison Moffitt, 12 mos.	720 00
Assistants in Animal Quarters:	
George Johnston, 12 mos.	720 00
Kenneth Sims, 12 mos.	660 00
Stanley Smith, 12 mos.	660 00
R. Levens, 4 mos.	140 00
Secretarial Assistants:	
Miss M. J. Millar, 12 mos.	1,080 00
Miss Helen Brock, 6 weeks, 5 days	85 40
	$61,626 27

Expenses ($20,969.26):

Abbott Laboratories, powder	15	18
Aikenhead Hardware Ltd., hardware	71	20
Allen Mfg. Co., laundry	285	73
Aluminum Co., sheet aluminum	25	40
American Journal of Cancer, subscription	50	22
Art Metropole, lamp bulb, etc.	19	77
Baker & Co., wire	21	29
Baker Platinum Ltd., chemicals, etc.	39	93
John Bale & Son, reprints	14	81
Bodine Electric Co., motor, etc.	78	62
British Aluminum Co., aluminum	75	67
British Drug Houses, chemicals	46	73
Allan Brock, tonometer	25	00
Fred Broom, meat	145	40
Burgess Battery Co., batteries	76	75
Cambridge Instrument Co., lamps, etc.	24	58
Canada Packers, dog feed	57	67
Canadian Co-Operative Wool Growers, Ltd., pulvex	12	00
Canadian Electrical Supply Co., plugs and switches, etc.	33	61
Canadian Kodak Co., chemicals	287	68
Canadian Medical Association, reprints	102	11
Canadian Westinghouse Co., radiotrons, etc.	159	15
Carswell Co., books	53	35
Walter A. Carveth & Co., micro exposuremeter, etc.	22	50
Central Scientific Co., chemicals, glassware, tubing, etc.	3,015	59
R. H. Chappell, glass-blowing, etc.	12	35
City Dairy, dry ice	39	40
Arthur Colton Co., triburate machine	36	32
Connaught Laboratories, heparin solution	92	70
Corbett-Cowley, Ltd., uniforms	128	71
E. Cullen, animals	1,678	38
Cutting Ltd., paper	155	02
Diamond State Fibre Co., tubing	12	43
Down Bros., Ltd., opthalmoscope	30	00
Struthers Dunning, relays	16	67
Eastman Photographic Stores, films, chemicals, etc.	175	15
T. Eaton Co., pans, cotton, etc.	31	38
Electronics, subscription	10	24
Exide Batteries of Canada, batteries	23	61
Gevaert Co., lantern plates, etc.	45	86
Grand & Toy, cabinet, note books, etc.	78	24
Albert M. Grass, oscillograph, etc.	1,178	39
Hammond Mfg. Co., transformer	89	80
J. F. Hartz Co., chemicals, hemostat, etc.	28	35
Randolph Hinch, syringes, scissors, etc.	47	44
Hinde & Dausch Paper Co., trays, pads, etc.	40	64
Hoffman La Roche, Ltd., acid	28	92
E. Hooking Glass Works, glassware, etc.	47	00
Ingram & Bell, chemicals, tubing, gauze, etc.	1,041	16
International Resistance Co., resistors	364	08
Roscoe B. Jackson Memorial Laboratory specimens, etc.	188	97
Janette Mfg. Co., filter and starter	110	05
Frank Jennings, sawdust	183	00
Howard B. Jones, sockets and plugs	40	08
Journal of Biological Chemistry, books	22	76
L. Light & Co., chemicals	36	80
Liquid Carbonic Co., gas	10	00
Lockharts Camera Exchange, plates, films, etc.	44	41
Long Island Biological Association, journals	24	97
Lowe-Martin Co., transfer cases	38	40
John McGillian, vegetables	34	80
W. R. McKee, instrument repairs	14	65
Mallinckrodt Chemical Co., ether, etc.	136	12
P. R. Mallory & Co., switches	29	35
Merck & Co., chemicals	70	29
Monsanto, Ltd., chemicals	29	44
National Drug & Chemical Co., oil	23	27
Naylor & Naylor, pumps	200	31

Northern Electric Co., condensers, etc.		183 33
Office Specialty Mfg. Co., folders, cabinets and cards		36 75
Ontario Agricultural College, hens		482 40
C. F. Palmer, Ltd., paper		23 46
Peckover's Ltd., steel		10 33
Peel Bros., Poultry Farm, chickens		140 73
Postage		70 24
Powerlite Devices, Ltd., tube checker		53 46
Ralston Purnia Co., feed		1,141 38
Renold-Coventry, Ltd., speed reducer		30 38
Riseborough & Jackson, feed		272 58
Robbins & Townsend, typewriter inspection		13 20
Runze Cord Wire Co., wire		11 37
Max Scheerle, electrode, etc.		50 00
Society for Experimental Biology and Medicine, reprints		24 20
Surgical Supplies, Ltd., depressor		12 25
Thermos Bottle Co., filler, etc.		45 80
Arthur H. Thomas Co., cylinders		22 64
University College, London		12 05
Utah Radio Products Co., motors		14 26
Western Reserve University, clamps		51 53
S. S. White Co., chemicals, gas, etc.		60 72
Wholesale Radio Co., radio parts		715 20
W. Lloyd Wood Ltd., chemicals		25 24
University Press, printing and stationery		269 14
Accounts under $10 (46)		201 80
Travelling expenses:		
J. C. Campbell		23 89
J. E. Goodwin		24 70
G. E. Hall		33 58
J. M. Janes		23 75
D. P. C. Lloyd		24 70
C. C. Lucas		75 35
G. G. McEachern		30 35
G. W. Manning		27 35
Sundry disbursements by department:		
Hardware, $31.57; drugs and stationery, $37.06; postage, telegrams, etc., $28.69; food supplies, $16.42; sundries, $16.26		130 00
Superintendent's Dept., telephone, $20.40; freight, $246.57; labour, $1,609.38; material, $2,233.19		4,109 54
Contribution to Pension Funds		1,061 76
		$82,595 53
Credited from Banting Research Foundation	$15,750 00	
Ontario Mining Association	5,000 00	
Rockefeller Foundation-Psychiatry	5,000 00	
McIntyre Porcupine Mines	4,146 74	
Josiah Macy, Jr., Foundation	3,621 94	
Medical Research—Best Fund	2,500 00	
Scottish Rite Donation	1,883 98	
Charles E. Schofield Donation	1,000 00	
Silicosis Committee	342 98	
Sale of Oscillograph	350 00	
Charged to Insulin Committee Grants	$35,499 89	
		$75,095 53
		$7,500 00

(b) Best Research:

Research Associate, C. H. Best, 12 mos. (see also Department of Physiology)	$2,500 00
Physiology:	
Lecturer and Research Associate, E. Fidlar, 12 mos. (see also department of Physiology)	300 00
Research Associate, J. Markowitz, 8 mos.	100 00
Research Assistants:	
J. Campbell, Jr., 12 mos.	1,700 00
L. B. Jaques, 12 mos.	1,200 00

Mrs. Jean P. Fletcher, 9 mos.	900 00
Miss H. J. Bell, 6 mos.	420 00
M. J. Wilson, 4 mos. (see also department of Anatomy)	400 00
Fellows:	
V. P. Collins, 8 mos. (see also departments of Anatomy and Physiology)	160 00
J. W. Scott, 1 mo.	75 00
Special Instructors (Sessional):	
F. G. Young	200 00
Dr. Jane Russell	100 00
Head Technician, F. L. Robinson, 12 mos. (see also department of Physiology)	500 00
Technical Assistants:	
Miss G. I. Harpell, 12 mos.	1,000 00
C. Scattergood, 12 mos.	850 00
S. McCracken, 12 mos.	939 00
Mrs. J. M. D. Williamson, 40 weeks	450 85
J. C. Howard, 6 mos. 8 days	379 20
Secretarial Assistants:	
Miss D. M. Secord, 12 mos. (see also department of Physiology)	100 00
Miss D. Waugh, 1 week	23 33
Assistant in Animal Quarters:	
H. A. Clare, 3 mos.	180 00
Physiological Hygiene:	
Research Associate, Miss J. H. Ridout, 12 mos. (see also School of Hygiene)	450 00
Research Assistants:	
Miss E. F. Dudley Martin, 12 mos.	1,300 00
O. M. Solandt, 6 mos.	900 00
Senior Technical Assistant, C. R. Cowan, 12 mos. (see also School of Hygiene)	600 00
Technical Assistants, each 12 mos.:	
J. Scattergood	1,100 00
J. G. Truax	1,000 00
Miss M. Luxton	875 00
Miss M. E. Hocking	850 00
Miss A. Jaffray	800 00
Kenneth Roseblade	800 00
	$21,152 38
Expenses ($15,443.59):	
Agfa Ansco Ltd., chemicals, etc.	$12 40
Aikenhead Hardware Ltd.	155 94
Ayerst, McKenna & Harrison, chemicals	210 15
G. Bachert, translations	21 00
Birks-Ellis-Ryrie, Ltd., clasps	16 50
C. I. Bliss, on account of expenses in connection with lecture delivered	70 00
British Drug Houses, drugs and chemicals	423 82
British Medical Journal, reprints	21 96
Cambridge University Press, reprints	13 77
Canada Packers, meat	171 40
Canadian Electrical Supply Co., switches, plugs, etc.	17 64
Canadian General Electric Co., heaters, etc.	20 64
Canadian Industries, heavy water	124 09
Canadian Kodak Co., chemicals, films, etc.	42 61
Canadian Laboratory Supplies, pump	86 24
Canadian National Carbon Co., batteries	25 97
Canadian Pacific Railway Co., telegrams	14 14
Central Scientific Co., chemicals, glassware, etc.	930 43
R. H. Chappell, glass-blowing	12 05
Warren E. Collins, soda lime	40 53
Connaught Laboratories, reprints, chemicals, heparin solution, and maintenance of animals, (after deducting special allowance)	1,876 91
Harry Cooper, transcribing lecture	13 02

Joseph Cooper, meat, etc.		754 78	
Corbett-Cowley, Ltd., uniforms		31 68	
E. Cullen, animals		3,579 17	
Darnell Corporation, Ltd., casters and wheels		28 92	
Dictaphone Sales Corporation		448 97	
Down Bros., opthalmoscopes, etc.		27 30	
A. C. Downing, galvanometer repairs		16 67	
Eastman Photographic Stores, chemicals, films, etc.		22 83	
T. Eaton Co., camera, linoleum, cement, etc.		123 13	
Ferranti Electric, Ltd., ray tube		41 50	
J. A. Fontaine, frogs		87 50	
Hart House, accommodation and catering for sundry guests		17 49	
J. F. Hartz & Co., instruments, etc.		43 50	
Hoffman-La Roche, Ltd., chemicals		45 60	
Ingram & Bell, chemicals, sutures, needles, etc.		339 61	
Kelley Feed & Seed Co., feed		298 75	
Langley, Harris & Co., dog biscuits		20 00	
Dr. K. G. McKenzie, reimbursement of amount paid for travelling and hospital expense of patient under observation		60 55	
Mead Johnson & Co., yeast powder		25 49	
Metal Stamping, Ltd., feed dishes		15 66	
National Drug & Chemical Co., chemicals		15 66	
Ohio Chemical & Mfg. Co., masks, etc.		36 20	
Office Specialty Mfg. Co., card cabinet		27 50	
Photographic Service		16 00	
Prest-O-Lite Storage Battery Co., batteries		50 79	
Rainbow Lantern Slide Co., slides		22 30	
Robbins & Myers, motor		14 31	
Robbins & Townsend, typewriter inspection		13 40	
E. L. Ruddy Co., transformer		17 00	
Arthur H. Thomas Co., burettes, etc.		191 07	
University of Illinois, specimens		145 06	
Waverly Press, reprints		15 02	
Western Reserve University, clamps		36 84	
Weston Electrical Instrument Co., meters		60 46	
University Press, printing and stationery		266 35	
Accounts under $10 (26)		119 95	
Travelling expenses:			
P. Baird		45 02	
A. I. Ivy		39 60	
R. Nassim		100 00	
Hans Selye		26 20	
R. G. Sinclair		11 25	
D. Y. Solandt		209 49	
H. Theorell		50 37	
L. M. Tocantins		38 76	
Sundry disbursements by department:			
Postage, $65.93; telegrams, stationery, etc., $28.20; radio parts, $28.04; sundries, $42.83		165 00	
Superintendent's Dept., freight, $22.80; labour, $154.32; material, $332.16		509 28	
Department of Medical Research—Banting, authorized transfer		2,500 00	
Contributions to Pensions Funds		350 40	
		$36,595 97	
Credited from travelling expenses of J. Campbell incurred in 1937-38	$23 89		
Charged to Insulin Committee Grants	34,072 08	$34,095 97	
		$2,500 00	
			$10,000 00
			$28,693 86

APPENDIX III

University Press.

Ledger Balances (net) as at 30th June, 1938 (since transferred to Reserve)		$7,246 08
Transactions for the year ending 30 June, 1939.		
Receipts from the Press, Book Department and Publications	$250,108 36	
Expenditures: Salaries, supplies and operating expenses	240,916 49	
		$9,191 87
Balance (including Reserve) at credit 30 June, 1939		$16,437 95

NOTE

The above figures cover the accounts passing through the Bursar's Office. Supplementary thereto the Manager of the Press had on hand 30 June, 1939, as shown by his records, Inventories, etc. (including work in progress) $33,228.94; accounts receiveable (less reserve) $14,870.79; less sundry liabilities (net) $1,939.95; making with the above cash balance of $16,437.95, a total surplus over liabilities of $62,597.73.

Details of Expenditure.

Salaries and wages ($92,959.35):	
A. Gordon Burns, Manager, 12 mos.	$4,200 00
Miss E. M. Walker, Secretary, 12 mos.	2,000 00
Miss E. Baguley, Assistant, 12 mos.	1,400 00
Miss I. E. McTaggart, Chief Clerk, Book Department, 12 mos.	1,400 00
Clerks, each 12 mos.	
Miss W. Hills, (@ $1,175 resigned as of 15 April)	930 20
Mrs. Florence Friendship	1,100 00
Miss I. Westwood	1,075 00
Miss A. Mullowney	1,000 00
Miss M. Storey	1,000 00
Miss R. Buchan	950 00
Miss M. D. Carter (@ $925 resigned as of 15 September)	192 70
Miss I. Potter	925 00
Geo. Edwards, Caretaker, 12 mos.	1,550 00
Pay lists, wages of employees	75,236 45
Editorial Services ($5,050.00):	
Miss Alison Ewart, General Editor, 12 mos.	1,950 00
Mrs. Mary L. Shepherd, Assistant to General Editor, 12 mos.	1,250 00
G. W. Brown	450 00
V. W. Bladen	425 00
W. P. M. Kennedy	250 00
E. K. Brown	200 00
A. S. P. Woodhouse	200 00
A. Brady	100 00
D. G. Creighton	75 00
G. P. de T. Glazebrook	75 00
R. W. James	50 00
V. F. Coe	25 00
Payments to contributors to publications	1,392 50
Payments of royalties and returns from sales	2,084 34
Supplies and general operating expenses, ($112,680.08):	
Acco Canadian Co., covers and binders	65 56
Acme Paper Box Co., boxes, etc.	298 85
Aikenhead Hardware, Ltd., hardware	52 94
Alexander & Cable, lithographing	123 50
H. E. Allen Bros., gilding	126 55
Art Metropole, paper	42 76
Baker, Ashdown, Ltd., zincs	195 38
D. A. Balfour Co., carbon paper	54 05
Barber-Ellis, Ltd., envelopes, paper, etc.	3,066 75
Better Packages Ltd., tape machine, etc.	36 18
Blackhall & Co., binding	150 21
Bostitch, Ltd., staples	38 00
R. Bourne & Son, covers	116 22
Brigdens, Ltd., half-tones and photographs	427 03

J. R. Brooks, drawings	38 50
Brown Bros., binders, folders, tags, etc.	2,862 09
Buntin-Reid Co., paper, etc.	1,058 93
Charles Bush, Ltd., ink	832 97
Canada Carbon & Ribbon Co., coupons	199 25
Canada Metal Co., metal	1,067 12
Canada Paper "Wholesale" Ltd., paper	243 78
Canadian Linotype, Ltd., type	64 50
Canadian Pacific Railway Co., telegrams	72 34
Canadian Pad & Paper Co., note books	27 71
Eugene E. Carroll, sharpening knives	40 85
Carroll's Canadian Metals, metal	76 49
Walter A. Carveth Co., instrument cases, forceps, needles, etc.	177 84
M. C. Charters Co., engraving	59 89
Cooper & Beatty, type	32 31
Delany & Pettit, glue	145 56
Walter Dickinson & Co., pencils, gummed tape, etc.	547 72
Dominion Blank Book Co., note books	522 49
Dominion Electrotypers & Engravers, Ltd., half-tones	449 20
Dominion Envelope Ltd., envelopes	55 75
Eaton, Crane & Pike Co., paper	50 28
E. B. Eddy Co., paper	4,241 35
Geo. Everall Co., envelopes	37 37
J. E. Emerson, electrical repairs	31 65
W. J. Gage & Co., envelopes, covers, pencils, etc.	1,579 55
General Office Furniture Co., bookcase sections	34 00
D. Gestetner, Ltd., ink and stencils	145 23
Grand & Toy, cards, envelopes, etc.	210 23
Miss F. Hahn, mimeographing	205 05
Fred W. Halls Paper Co., paper	355 99
G. A. Hardie & Co., wipers	74 40
W. E. Hardman & Co., ruling	80 75
Harris Seybold Potter, Ltd., punching machine, repairs	151 15
Henderson Bros., ruling and paper	404 25
Nicholas Hornyansky, Christmas cards	190 00
Imperial Oil, Ltd., gas and oil	63 79
C. H. Johnson & Son, cartage	420 00
Keuffel & Esser, slides and rules	167 32
The Levis, wipers, etc.	172 92
Lowe Martin Co., cards	30 02
Luckett Loose Leaf, Ltd., covers and refills	1,434 89
Lumley & Hewitt, ruling	50 25
A. J. McCrae & Co., pencils	76 57
Gordon Mackay & Co., flannel	38 81
Meredith Simmons & Co., paste	28 50
Mimeograph & Co., stencil paper, etc.	105 62
Mono-Lino Typesetting Co., compositing	168 86
Monotype Co., paper and type metal	832 47
Moore Type Foundry, parts	99 21
Moyer School Supplies, maps	31 63
Nichols Advertiser's Ltd., calendar pads	71 41
Office Specialty Mfg. Co., cabinets, etc.	26 85
Parker Fountain Pen Co., pens, pencils, and repairs	484 25
R. A. Phillips, Ltd., crests and pennants	136 09
Photo Engravers & Electrotypers, Ltd., etching, embossing, etc.	810 68
Premier Engravers & Electrotypers, Ltd., half-tones, zincs, etc.	1,461 45
Provincial Papers, Ltd., paper	12,262 22
Queen City Paper & Twine Co., tape & twine	42 66
Raine Engraving Co., dies, etc.	112 30
Ratcliffe Paper Co., paper	58 36
Reed Canadian Engravers, Ltd., zincs, half-tones, etc.	1,639 63
Reliance Engravers, photographic plates	407 60
Robbins & Townsend, typewriter rental and inspection	165 40
Ryerson Press, adhesive tape	198 93
Savoy & Sons, stationery	153 25
W. A. Sheaffer Pen Co., repairs	36 09
Howard Smith Paper Mills, Paper	4,218 95
Stainton & Evis, pads	29 70
Standard Embossing Co., embossing	390 56

Stephens Sales, Ltd., stencils	423	73
Sun Gravure of Canada, Christmas folders	644	60
Telfer Paper Box Co., boxes	62	40
Toronto Envelope Co., envelopes	996	71
Toronto Graphic Arts Council, dues	540	00
Toronto Type Foundry Co., linotype repairs, wire, etc.	71	25
Townsley Printers Supply & Machinery Co., parts	236	56
Underwood Elliott Fisher, Ltd., ribbons, paper, etc.	76	94
United Paper Mills, Ltd., paper	3,697	76
Universal Thread Co., thread	43	12
Victoria Paper & Twine Co., cups, twine, etc.	384	16
Venus Pencil Co., pencils	114	20
Wahl Pen Co., pens and repairs	39	78
L. E. Waterman & Co., pens and repairs	313	48
Whyte Hook Paper Co., buckram and vellum	185	92
Wilson Munroe Co., paper	1,571	32
Books, etc.		
Thomas Allen & Co.,	83	54
Allyn & Bacon	93	97
American Chemical Society	29	20
American Institute of Steel Construction	250	00
American Library Association	117	00
American Medical Association	145	37
American Public Health Association	38	07
Angus & Robertson	75	67
Annual Review	73	25
D. Appleton Co.	723	01
Baker & Taylor	30	35
Barnes & Noble	211	64
Blackie & Sons	294	80
P. Blakiston Son & Co.	831	92
Blue Ribbon Books	30	52
F. A. Brockhaus	147	62
Bureau of Publications, Teacher's College	95	50
Butterworth & Co.	57	80
Canadian Dental Research Foundation	45	20
Canadian Geographical Society	172	50
Canadian Pharmaceutical Association	64	50
Canadian Political Science Association	73	90
Carswell Co.	169	10
Cassell & Co.,	152	63
W. R. Chambers, Ltd.	54	33
Chemical Rubber Co.	182	00
J. A. Churchill, Ltd.	244	02
Clarke, Irwin & Co.	2,050	38
Columbia University Press	316	37
Commonwealth Fund	29	82
Co-Operative League	42	41
Copp Clark Co.	1,703	85
Wm. Dawson & Son	50	55
J. M. Dent & Son	816	79
Dodd Mead & Co.,	570	90
Dominion Blank Book Co.	78	30
Doubleday Doran & Co.	74	49
Edwards Bros.	86	03
Elliott Addressing Machine Co.	45	32
Encyclopaedia Britannica	114	42
Farrar & Rinehart	45	14
The Forest Press	132	60
W. J. Gage & Co.	543	70
Gaulon & Fils	651	78
General Board of Religious Education	28	16
Ginn & Co.	1,041	51
Granger Freres, Ltd.	71	14
Harcourt Brace & Co.	275	11
Harper Bros.	129	06
Harvard University Press	376	29
Wm. Heffer & Sons	67	15
Paul B. Haebner, Inc.	27	29

Henry Holt & Co.	1,160 90
Houghton Mifflin & Co.	1,354 41
H. M. Stationery Office	138 94
Mabel Hynd	64 10
International Correspondence Schools	271 70
Charles Irwin & Co.	102 58
Italian Book Co.	27 86
Johns Hopkins Press	45 49
Harry Kingston	216 38
Koehler Volckman Co.	719 37
Otto Lange	109 84
Lea & Febiger	1,800 49
Longmans, Green & Co.	991 63
J. B. Lippincott & Co.	138 12
J. B. Lyon Co.	28 00
McAinsh & Co.	3,288 39
McClelland & Stewart	260 05
McGraw-Hill Book Co.	3,108 89
McLean Publishing Co.	28 78
Geo. J. McLeod, Ltd.	55 26
MacMillan Co.	6,013 28
C. V. Mosby	23 44
Musson Book Co.	873 16
Thos. Nelson & Sons	430 14
W. W. Norton	43 61
Open Court Publishing Co.	28 10
Oxford University Press	116 80
George Philip & Son	35 30
Sir Isaac Pitman & Sons	946 01
Prentice Hall, Inc.	984 42
Princeton University Press	93 37
Rand McNally Co.	42 51
Receiver General of Canada	61 14
Reinhold Publishing Co.	116 90
Ronald Press	26 18
H. M. Rowe Co.	63 30
Ryerson Press	351 07
Carl Schoch	27 22
Science Press	30 39
Scotts Foresman & Co.	275 60
Chas. Scribners' Sons	223 29
Simpkin Marshall, Ltd.	2,757 30
South Western Publishing Co.	44 44
Stanford University Press	80 11
G. E. Stechert & Co.	212 38
Superintendent of Documents, Washington	85 00
Sutherland International Despatch	72 53
Technology Press	27 42
Chas. C. Thomas	99 17
University of Chicago Press	544 14
University of North Carolina Press	30 85
University Prints	118 03
D. Van Nostrand Co.	645 47
John Wiley & Sons	3,449 49
Williams & Wilkins	5,891 73
H. W. Wilson & Co.	80 71
World Book Co.	28 09
Yale University Press	137 27
Accounts under $25 (467)	2,813 88
Sundry purchases, second hand books	360 86
A. G. Burns, travelling expenses	145 25
Microscopes	6,775 85
Advertising, $964.72; postage and excise stamps, $3.082.56; bank exchange, $350.38; cleaning, $155.75; freight, etc., $662.97; meals for nightwork, $174.50; sundries, $213.26	5,604 14
Heat, $1,087.90; electric current, $783.36; gas, $302.70; telephones, $366.46; water, $102.22	2,642 64
Superintendent's Dept., freight, $980.49; labour, $561.27; material, $692.79; Customs entries $58	2,292 55

Contributions to Employees Pensions Account	949 67	
Sales Tax, Collector of Customs and Excise	7,096 65	
Interest charged on debit balances	882 61	
		$240,916 49

APPENDIX IV.

Superintendent's Stores and Sundry Labour Account.

Ledger Balance, 30 June, 1938		$10,287 10
Purchases made during 1938-39:		
Advance Glass & Mirror Co., glass	$83 51	
Aikenhead Hardware Ltd., hardware	1,783 02	
All-Weld Co., gas masks	73 94	
Armstrong Cork & Insulation Co., cork board, etc.	29 19	
Associated Chemical Co., chemicals	179 58	
Aulcraft Paints, Ltd., paints, etc.	35 58	
Baines & David, steel tubing, bars, etc.	307 22	
H. J. Baldwin Co., blocks, etc.	37 96	
Beardmore & Co., belting	33 21	
Beldam's Asbestos Packing & General Mfg. Co., packing, etc.	91 70	
Bennett & Wright, plumbing supplies	82 05	
Bepco, Ltd., bearings, etc.	30 18	
Berry Bros., paint, varnish, etc.	270 59	
Black & Decker Mfg., hammer	124 95	
Boake Mfg. Co., lumber	1,288 15	
Boeckh & Co., brushes	210 51	
W. Bohne & Co., felt	73 92	
Boiler Furnace & Stove Parts, fire bricks, etc.	30 10	
Builders' Flooring & Millwork Ltd., lumber	92 33	
Builders' Supplies Ltd., stone, gravel, etc.	152 71	
Robert Bury & Co., lumber	722 79	
Canada Building Materials, cement, stone, etc.	147 26	
Canada Hardware Ltd., hardware	29 95	
Canada Metal Co., weights, solder, etc.	425 26	
Canada Wire & Cable Co., wire	1,411 25	
Canadian Asbestos Ltd., asbestos, millboard, etc.	60 70	
Canadian Blower & Forge Co., blower, etc.	38 81	
Canadian Durex Abrasives Ltd., paper, cloth, etc.	56 25	
Canadian Fairbanks-Morse Co., hose, pump, etc.	55 35	
Canadian General Electric Co., electrical supplies	2,304 92	
Canadian Germicide Co., towels, soap, etc.	303 90	
Canadian Industrial Alcohol Co., alcohol	34 83	
Canadian Industries Ltd., chemicals, varnish, paint, etc.	853 25	
Canadian Ingersoll Rand Co., motor parts, etc.	649 57	
Canadian Johns-Manville Co., insulation, cement, etc.	224 76	
Canadian National Carbon Co., brushes, batteries, flash lights, etc.	187 31	
Canadian Lodi Super Treads, caps and treads	61 82	
Canadian National Institute for the Blind, brushes, brooms, etc.	212 97	
Canadian National Railways, relay racks	56 00	
Canadian Office & School Furniture Ltd., arm settees	293 60	
Canadian Powers Regulators Co., thermostats	146 50	
Canadian Sirocco Co., electrical supplies	355 17	
Canadian Telephones & Supplies, cable	814 76	
Canadian Westinghouse Co., refrigerators, fans, toasters, etc.	2,168 96	
Canadian Wool Co., wool	35 21	
Central Scientific Co., glassware, etc.	25 98	
Century Chemical Products Co., metal polish	58 80	
Chadwick Electric Co., electricians supplies	664 95	
Chestnut & McGregor, cut door	234 30	
Coleman Lamp & Stove Co., range, etc.	52 33	
Colling Tire Shop, casings	224 48	
Commercial Lithographing Co., lithographing	158 12	
Consolidated Plate Glass Co.	142 23	
Continental Can Co., cans	46 13	
Cooksville Co., tiles	42 41	
Copp Clark Co., flags, streamers, etc.	90 73	
Corbett-Cowley Ltd., uniforms, coats, etc.	309 91	
Corning Glass Works	218 37	

Crane Ltd., plumbers supplies	1,043	21
Crown Diamond Paint Co., brushes & Paint	802	11
W. H. Cunningham & Hill, plumbers supplies	53	60
Currie Products Ltd., pitch, cement, etc.	271	73
Darnell Corporation, sockets, casters, etc.	187	70
Diamond Cleanser & Soaps Ltd., cleansers	1,795	04
Henry Disston & Sons, saws, blades, etc.	141	01
Dominion Bridge Co., plates, sink, etc.	147	43
Dominion Carbon Brush Co., brushes, etc.	139	88
Dominion Cutout Co., fuse links	27	00
Dominion Linseed Oil Co., oil	369	99
Dominion Oxygen Co.	294	02
Dominion Radiator & Boiler Co., boilers, grates, gaskets, etc.	662	02
Downing & Co., fuses, etc.	504	93
Drummond McCall & Co., steel	71	63
Drygoods Specialty Co., factory cotton, etc.	69	43
C. A. Dunham & Co., plumbers supplies	601	68
Dusbane Products, polishing machine, brushes, etc.	287	04
T. Eaton Co., towels, blankets, linoleum, etc.	711	24
Ellis & Howard, electricians' supplies	156	17
Empire Brass Mfg. Co., plumber's supplies	580	84
Engineering Equipment, enamel	90	00
E. B. Fielding & Co., turpentine	501	26
Firestone Tire & Rubber Co., dampner	25	12
Thos. Firth & John Brown Ltd., steel	615	40
Roderick A. Fraser, motor, etc.	75	46
Garage Supply Co., batteries	56	10
General Dry Batteries, Ltd., batteries, etc.	273	43
General Steel Wares, Ltd., cans, baskets, pails, etc.	338	56
Good Specialties Ltd., hardware	152	05
Gooderham & Worts, alcohol	10,346	58
Gordon Mackay & Co., cloth, etc.	97	05
Gordon Sponge & Chamois Co., sponges, etc.	265	98
B. Greening Wire Co., wire netting, rope, etc.	191	13
A. P. Green Fire Brick Co., bricks	93	30
Grinnell Co., plumber's supplies	1,382	90
Gunite Waterproofing Ltd., ferrotite	143	00
Gutta Percha & Rubber Ltd., gaskets, hose, couplings, etc.	216	60
Joe Hampson, cement and gravel	51	00
Harpham Bros., casing	294	90
W. Harris & Co., glue	58	32
Geo. H. Hees & Son, webbing	49	64
Geo. H. Hendry & Co., blackboards	61	91
Edmund Hind Lumber Co., lumber	32	49
Hobbs Glass Mfg. Co.,	45	32
Henry Hope & Sons, removing plate glass, etc.	73	00
Hotel and Hospital Supply Co., towels	32	00
Huntington Laboratories Ltd., seal-o-san, etc.	62	60
Hydro-Electric Power Commission, current, etc.	3,365	96
Imperial Oil Ltd., oil, wax, etc.	109	06
Imperial Varnish & Color Co., paint and enamel	373	93
Interlake Tissue Mills, towels, etc.	619	15
Italian Mosaic & Tile Co., tiling	626	73
Samuel Jardine, soap	187	24
Julian Sale Leather Goods Co., brief cases	28	80
Geo. Keith & Sons, grass seed	261	50
Kaustine Engineering Co., grates	36	00
Kelvinator Co., refrigerator service	99	00
Kennedy Mfg. Co., sprayer and chemicals	173	24
Walter Kidde & Co., fire extinguisher	46	20
Kilgours, Ltd., towels, plates, etc.	3,388	23
Lackawanna Leather Co., leather	49	05
La France Fire Engine & Foamite Ltd., extinguishers	301	63
R. Laidlaw Lumber Co., lumber	243	49
Arthur S. Leitch & Co., filters, etc.	78	72
Lincoln Electric Co., motor, etc.	52	30
Lowe Bros., paint, enamel and varnish	387	50
MacCallum Mfg. Co., sweeping compound	225	00
McColl Frontenac Oil Co., oil	2,642	00

S. McCord & Co., cement, etc.	67	49
McDermid Bros., Ltd., builders' material	759	11
MacDonald Mfg. Co., wax	58	03
Alex McKay & Co., cement	60	88
Frank G. MacKay & Co., chalk	44	36
Masco Co., electricians' supplies	2,932	48
A. Middleton & Co., paint and varnish	333	99
Minneapolis Honeywell Regulator Co., thermostats, blowerstats, dampers, switches, etc.	192	48
Moffat's Ltd., stoves, etc.	155	80
Monarch Belting Co., belting	32	56
Wallie Moore Paint Co., paint and varnish	705	56
Jas. Morrison Brass Mfg. Co., plumbers' supplies	1,130	47
Mount Royal Metal Co., lead, etc.	103	10
A. Muirhead & Co., paint and varnish	235	65
J. Muldoon Ltd., cement and plaster paris	77	34
Alexander Murray & Co., roofing & builders' supplies	121	07
National Drug & Chemical Co., chemicals	229	13
National Grocers Co., matches, cleansers, etc.	151	85
New Sanitary Wiper & Waste Co., cheesecloth, etc.	349	06
Nichols Chemical Co., acids, etc.	231	22
Northern Electric Co., electricians' supplies	546	75
O-Cedar of Canada, polish	89	98
Pacific Mills Ltd., paper	1,019	75
Paint Supply Co., varnish	45	00
Pannill Door Co., lumber	63	54
Patterson & Heward, brass sign	37	80
Peckover's Ltd., steel	1,625	77
Perkins Electric Co., spot light, etc.	26	15
Phippen & Son, bricks	114	87
Pilkington Bros., plumbers' supplies	1,721	69
Proctor & Gamble Co., soap	136	12
Provincial Treasurer of Ontario, truck license, $36.00, mixing wax license $1,00, tank, inspection $7.50	44	50
Robert T. Purvis & Co., packing asbestos etc.	40	36
Geo. Rathbone Lumber Co., lumber	1,145	78
Robbins & Myers, motor repairs, etc.	41	23
James Robertson Co., plumbers' supplies	690	89
Roofers Supply Co., roofing material	984	57
Frank B. Ross Co., wax	140	05
W. E. Routery, plaster repairs	335	45
Salems Garage, truck repairs	58	66
Samuel Son & Co., steel, etc.	1,175	74
Sanitary Products Co., pest spray	101	08
Sangamo & Co., electrical supplies	342	84
Satin Finish Hardwood Flooring Ltd., lumber	275	47
Scarfe & Co., paint and varnish	201	98
Scythes & Co., rope, tarpaulin, etc.	85	81
Shannon Bros., lumber	334	78
Shaw & Wright, hardware	812	10
Sheldons Ltd., furnace parts	417	54
Sherwin-Williams Co., paint	33	17
W. Sherwood & Son, motor repairs, etc.	430	42
Shipway Iron & Wire Co., screening	564	63
T. S. Simms & Co., brushes & brooms	228	91
Robert Simpson Co., linoleum, towels, linens, etc.	216	50
Singer Sewing Machine Co., sewing machine	32	73
Chas. A. Smith Ltd., soap	440	28
John B. Smith & Sons, lumber	990	32
Square D Co., electricians supplies	485	92
G. F. Sterne & Sons, cement, varnish, etc.	258	14
S. F. Stinson & Son, lumber	836	16
Stewart & Wood, glue, paint and enamel	302	38
Sturgeons Ltd., paints, etc.	108	66
Sulley Brass Foundry, brass	29	77
Sun Oil Co., oil	476	13
Superior Electric Supply Co., electricians supplies	2,268	01
Supertest Petroleum Corporation, gasoline	52	00
Supreme Boiler & Engineering Co., boiler tubes, etc.	98	22

Tarbox Bros., pails, etc.		38 35	
Taylor Forbes Ltd., heaters, etc.		98 57	
Textile Products Ltd., cheese cloth, mops, towels, etc.		1,284 77	
Thayers Ltd., gasoline and oil		4,447 81	
Toronto Asphalt Roofing Mfg. Co., roofing		152 45	
Toronto Iron Works, man hole, etc.		71 99	
Toronto Salt Works, salt, chloride, etc.		50 61	
H. D. Trerice Co., filter trap		66 10	
Trelco Ltd., varnish, oil, etc.		40 46	
Truscon Laboratories, paints, etc.		39 66	
Turnbull Elevator Co., elevator parts		76 84	
United Steel Corporation, belts, pulleys, etc.		48 09	
Vacu-Draft Ltd., vacu draft		69 00	
Victoria Paper & Twine Co., towels, etc.		524 51	
Vulcan Asphalt & Supply Co., removing plugs, etc.		45 20	
C. C. Wakefield & Co., oils		582 84	
West Disinfecting Co., disinfectant		200 16	
Weston Electrical Instruments Ltd., meters		27 85	
Whites Hardware, hardware		905 55	
Wilkinson-Kompass Ltd., hardware		49 57	
Wilson & Cousins Ltd., nozzles, couplings, etc.		52 11	
A. C. Wild & Co., cement, blocks, pipes, etc.		359 97	
Window Shades & Fittings, venetian blind, etc.		30 00	
G. H. Wood & Co., soap, drinking cups, etc.		148 43	
Woods Mfg. Co., tents, etc.		78 33	
A. L. Wynston Jr. Ltd., electricians' supplies		2,100 18	
University Press, printing and stationery		128 75	
Accounts under $10 (182)		1,667 22	
Superintendent's Dept., freight $170.36; labour, $5,183.93; material $877.86		6,232 15	
		$104,865 27	
Less credits: Dominion Government refund of tax on alcohol	$7,993 59		
Ontario Government refund of tax on gasoline and varsol	127 40		
		$8,120 99	
			$96,744 28
			$107,031 38
Sundry labour as per pay lists:			
Trade mechanics and general workmen		$159,374 36	
Firemen, nightwatchmen, etc.		53,209 10	
Cleaners and miscellaneous		83,031 12	
			$295,614 58
			$402,645 96

Apportionment of the foregoing:

	Labour	Material
Administration ($12,561.70)		
Bursar's Office	$29 01	$13 19
Registrar's Office	169 39	86 64
Superintendent's Office	1,924 39	57 34
Convocation Hall and Simcoe Hall	8,964 91	1,116 83
President's House	130 15	69 85
Library ($5,204.96)		
Maintenance	567 91	350 11
Building	3,370 55	916 39
Royal Ontario Museum	46,453 51	4,023 78
Athletics, Physical Training, Military Studies, etc. ($7,873.29)		
Athletics and Physical Training—Men	103 73	43 66
Athletics and Physical Training—Women	8 78	6 74
Health Service—Women	1 50	
Military Studies		1 46
Hart House	4,770 04	1,722 37

Women's Building (44 Hoskin Avenue)	630 27	81 59
Military Studies Building	392 63	110 52
Examinations	192 01	22 13
Faculty of Arts ($51,996.70)		
Applied Mathematics	45	08
Physics	1,054 37	1,243 33
Astronomy	....	73 75
Geology	110 29	72 29
Mineralogy	489 72	255 07
Chemistry	826 60	1,458 77
Biology	796 50	893 81
Botany	300 80	303 76
History	2 84	77
Fine Art	63 21	18 34
Geography	21 81	10 93
Political Economy	....	06
Psychology	94 11	289 94
University College Departments	1 88	08
University College General Expenses	1 50	....
University College Building	10,393 89	1,640 88
McLennan Laboratory	3,033 71	809 81
Chemical Building	2,462 64	614 34
Biological Building	3,402 16	700 12
Botany Building	3,229 36	516 09
Baldwin House	767 66	178 44
No. 43 St. George St.	564 47	51 65
No. 45 St. George St.	567 31	119 62
No. 47 St. George St.	368 76	59 69
Economics Building	5,732 80	1,199 18
Psychology Building	4,066 69	1,649 59
David Dunlap Observatory	1,194 64	228 14
Faculty of Medicine ($30,417.27)		
Anatomy	187 79	361 35
Pathology and Bacteriology	658 52	422 46
Pathological Chemistry	65 54	70 06
Pharmacy and Pharmacology	145 53	210 85
Biochemistry (including Zymology)	170 39	649 90
Physiology	63 32	320 72
Hygiene and Preventive Medicine	137 48	43 53
Medicine	33 46	93 25
Paediatrics	....	140 26
Surgery	....	25 01
Oto-Laryngology	41 04	17 59
Art Service	1 11	48
General Expenses	133 02	44 47
Medical Building	3,663 20	699 71
Banting Institute	7,392 38	1,301 31
Anatomical Building	2,745 24	445 86
Hygiene Building	9,082 61	1,049 83
School of Hygiene	16 38	3 11
Faculty of Applied Science ($19,413.96)		
Electrical Engineering	177 65	231 26
Mechanical Engineering	54 05	216 08
Civil Engineering: Municipal and Structural	109 22	120 30
Civil Engineering: Surveying and Geodesy	36 83	124 71
Mining Engineering	390 17	406 35
Metallurgical Engineering	249 02	181 26
Chemical Engineering and Applied Chemistry	836 08	581 22
School of Architecture	80 01	94 97
Engineering Drawing	156 77	75 55
Applied Physics	196 05	158 23
General Expenses	81 77	14 76
Photographic Service	11 52	44 92
Mining Building (including Mill Building)	5,442 93	1,026 72
Engineering Building	3,243 71	627 52

Electrical Building (including Mechanical Building and Wind Tunnel)	3,551 59	493 06	
Geodetic Observatory Building	318 59	81 09	
Faculty of Dentistry ($10,288.30)			
Laboratory and Infirmary Supplies, etc.	2,511 08	1,366 31	
Dental Building	5,183 48	1,227 43	
Faculty of Household Science ($3,749.34)			
Household Science	123 88	34 79	
Food Chemistry	59 95	17 54	
Household Science Building	2,894 54	618 64	
Faculty of Forestry ($623.15)			
Maintenance	99 48	53 34	
Forestry Building	394 91	75 42	
School of Nursing ($3,782.44)			
School Maintenance	....	65	
Residence Maintenance	52 80	132 32	
Building No. 7 Queen's Park	2,731 71	864 96	
University Extension and Publicity	218 10	98 17	
Men's Residences	10,697 86	2,014 34	
Women's Residences and Union ($8,431.60)			
Maintenance of Building	4,413 86	1,463 70	
Housekeeping Account	925 61	1,628 43	
Central Power Plant	33,992 04	7,991 40	
Miscellaneous and General ($38,129.13)			
Central Stores	2,626 36	765 52	
Grounds	13,730 38	936 15	
Protective Service	15,643 26	21 09	
Telephones	4,406 37	....	
Special Research (including Banting and Best)	1,887 30	2,772 73	
Ontario College of Education	13,793 44	3,754 70	
Work done for University organizations, members of staff, sundry incidental accounts, etc. (including Accounts Receivable on 30 June, $5,005.60)	32,438 25	39,395 73	
Cash Sales	....	569 65	
	$295,614 58	$97,191 89	
			$392,806 47
Ledger Balance, 30 June, 1939 (Superintendent's Inventory Value $20,299.75)			$9,839 49

APPENDIX V.

Ontario College of Education.

Balance on hand 30 June, 1938	$34,865 48
Receipts, 1938-39:	
Legislative Grant	236,025 00
Fees of Students	69,147 23
Aura Lee Grounds	600 00
	$340,637 71
Expenditure for salaries and maintenance for the year ending 30 June, 1939	299,252 18
	$41,385 53
Transferred to Institute of Child Study	4,000 00
Balance on hand 30 June, 1939	$37,385 53

Salaries.

J. G. Althouse, Dean (paid also $350 for Extension Work)	$6,000 00
Professors:	
P. Sandiford, Educational Psychology and Director of Educational Research	5,700 00
F. E. Coombs, Methods in Elementary Subjects (paid also $450 for Extension Work)	4,700 00
G. A. Cornish, Methods in Science	4,700 00

G. M. Jones, Methods in English and History	4,700 00
J. O. Carlisle, Methods in Classics and Supervisor of Practice-Teaching (paid also $100 in School of Nursing)	5,000 00
W. J. Lougheed, Methods in Mathematics (paid also $115.50 for Extension Work)	4,500 00
Associate Professors:	
Miss W. G. Barnstead, also Director of Library School (paid also $60 for Graduate Course)	4,100 00
Miss L. L. Ockley, Household Science	4,300 00
W. G. Bennett, Methods in Commercial Subjects (paid also $145.50 for Extension Work)	4,300 00
B. C. Diltz, Methods in English and History	4,050 00
J. A. Long, Educational Research (paid also $280 for Extension Work)	3,700 00
Assistant Professors:	
Miss H. B. St. John, Modern Languages	3,900 00
M. A. Cameron, Educational Research (paid also $210 for Extension Work)	3,100 00
Library Science in Library School:	
Miss B. Bassam	2,900 00
Miss M. E. Silverthorn (paid also $50 for Graduate Course)	2,700 00
Lecturers, also Instructors in University Schools:	
Miss A. Marsh, Art (paid also $125 for Extension Work)	3,225 00
G. N. Bramfitt, Music	4,000 00
F. Halbus, Physical Training	3,725 00
A. T. McLachlan, Manual Training (paid also $650 for Extension Work)	3,300 00
Lecturers:	
Miss R. E. Ratz, Home Economics	3,500 00
Miss A. E. Robertson, Household Science	3,400 00
Miss H. L. Bryans, Instructor, Physical Training	3,400 00
Instructors in University Schools:	
A. C. Lewis, Headmaster	4,700 00
R. F. S. Baird, Teacher-Librarian	3,500 00
G. A. Cline (on leave of absence)	
W. B. Gray (vice G. A. Cline)	2,000 00
A. G. Croal (paid also $22.50 for Extension Work)	3,700 00
E. L. Daniher	4,000 00
H. A. Grainger (paid also $94.50 for Extension Work)	4,000 00
J. A. Irwin	4,000 00
Norman McLeod	4,000 00
J. H. Mills (paid also $22.50 for Extension Work)	4,000 00
N. L. Murch (paid also $145.50 for Extension Work)	4,000 00
P. A. Petrie	4,000 00
W. L. C. Richardson	4,000 00
J. G. Workman	4,000 00
J. L. Gill	3,900 00
C. E. Phillips (paid also $400 as Instructor in Pedagogy; $350 for Extension Work and $200 in School of Nursing)	3,850 00
H. McGuire	3,300 00
W. R. Stewart	2,950 00
L. H. Newell	2,700 00
G. W. Cochrane, Instructor in Swimming and Supervisor of U.T.S. Athletic Field and Sports	2,600 00
Special Instructors in Library Science:	
Angus Mowat, Administration	150 00
Miss L. H. Smith, Work with Boys and Girls	450 00
W. S. Wallace, College and University Libraries (paid also as University Librarian)	350 00
Miss J. Merchant, School Libraries	150 00
Miss M. E. M. Poole, Special Libraries	150 00
C. R. Sanderson, Circulation of Books	150 00
Miss F. Trotter, Story-Telling	150 00
Occasional Lecturers:	
Miss O. G. Mudge (including expenses $45)	75 00
J. H. Lowe (including expenses $23.55)	53 55
F. Landon (including expenses $11.80)	41 80

Mrs. Kathleen Elliott (including expenses $5.15)	35 15	
Mrs. A. M. Kennedy (including expenses $15.90)	30 90	
G. S. Brett (see also Philosophy)	30 00	
E. J. Pratt (see also Faculty of Dentistry)	30 00	
A. N. Scarrow	30 00	
F. H. Walter	30 00	
Mrs. Florence Cameron (including expenses $13.40)	28 40	
E. C. Kyte (including expenses $11.50)	26 50	
H. C. Gourlay (including expenses $4.05)	19 05	
Griffith Taylor, Special Lecturer in Geography (paid also $4,000 in Faculty of Arts)	2,500 00	
Norman Davies, Lecturer in Methods for Specialists in Agriculture (Sessional)	300 00	
Supply Teachers:		
W. E. Boyes, 12½ days	93 75	
Miss L. F. Giles, 8 days	60 00	
Miss D. Winthrop, 6½ days	48 75	
Miss W. Dole, 6 days	45 00	
D. H. Barbour, 4 days	30 00	
M. Sniderman, 2 days	15 00	
W. B. Kay, 1 day	7 50	
Miss D. A. Thompson, Librarian	2,400 00	
Miss D. Walter, Assistant Librarian	1,600 00	
Revisers and Instructors, Library Science:		
Miss S. A. Ballard @ $1,500 (resigned 31 August)	250 00	
Miss M. M. B. Davidson @ $1,500 (10 mos. from 1 September)	1,250 00	
Clerical Staff:		
Miss L. Swinarton, Secretary	2,150 00	
Clerks:		
Miss E. G. Seldon	1,550 00	
Miss J. M. Jeffrey	1,450 00	
Miss G. M. Harvey	1,300 00	
Miss G. Potter @ $1,550(resigned 31 August)	258 34	
Miss A. Elliott @ $1,200 (10 mos. from 1 September)	1,000 00	
		$180,388 69
Retiring Allowances:		
Teachers' Insurance and Annuity Association, contribution of College for year ending 30 June, 1939, to fund for retiring	3,352 68	
Contribution of College for year ending 30 June, 1939, to University Pensions Fund—Employees	973 92	
		$4,326 60
Charges on Investment:		
Accountant, Supreme Court of Ontario, proportion of annual payment on debenture issue of 1909 for interest and sinking fund		$10,000 00
Maintenance of Building:		
Fuel ($3,158.90):		
Conger Lehigh Coal Co.	$1,478 53	
Great Lakes Coal Co.	1,680 37	
Gas, $292.04; electric current, $2,348.99; water, $223.25; telephone service, $344.44	3,208 72	
Caretaker's supplies:		
Superintendent's Dept., material	543 76	
Cleaning ($5,830.89):		
Acme Window Cleaning Co.	48 00	
Advance Window Cleaning Co.	70 00	
Superintendent's Dept., labour	5,712 89	
Repairs and renewals ($3,800.00):		
Canadian Powers Regulators Co., heating system repairs	14 69	
John Inglis Co., boiler tubes	120 00	
Provincial Treasurer, public hall license	10 00	
W. E. Routery, plaster repairs	47 80	
Accounts under $10 (3)	10 54	
Superintendent's Dept., labour, $2,256.67; material, $1,340.30	3,596 97	
Sundries: Increased accommodation in Women's Lavatory ($1,380.57):		
W. E. Routery	75 30	
Superintendent's Dept., labour, $581.76; material, $723.51	1,305 27	

Grounds:		
Superintendent's Dept., labour, $849.10; material, $50.90	900 00	
Caretaker and Engineer:		
J. Harding, 12 mos.	1,500 00	
Fireman:		
G. Thompson, 38 wks.	836 00	
Nightwatchmen ($1,487.12):		
H. MacLeod, 12 mos.	1,320 00	
A. Smith, 28 nights	101 05	
W. Gordon, 19 nights	66 07	
	$22,645 96	
Less credits: Cleaning, etc. $333.92; fuel, light, etc., $121.02; telephone, $35.89	490 83	
		$22,155 13
Maintenance of Aura Lee Grounds:		
Fuel ($353.09):		
Central Coal Co.	$20 91	
Conger Lehigh Coal Co.	332 18	
Gas, $24.54; electric current, $46.80; water, $79.08; telephone, $98.45	248 87	
Caretaker's supplies:		
Superintendent's Dept., material	30 86	
Repairs and occasional labour:		
Superintendent's Dept., labour, $757.82; material, $136.28	894 10	
Caretaker, G. Cruikshank, 12 mos.	1,200 00	
		$2,726 92
Maintenance of Instruction:		
Use of City Schools:		
Board of Education, City of Toronto	41,982 50	
Use of Rural Schools ($438.00):		
Honoraria as critic teachers—Agriculture:		
Principal R. H. King	50 00	
D. G. McBain	165 00	
W. A. Porter	170 00	
Dean Althouse, expenses of students, Specialists in Agriculture	53 00	
Art Gallery, services in connection with practical teaching	4,000 00	
St. John's Ambulance Association, instruction in first aid to Teachers in Training	200 00	
Payments to Librarians who assist in practical work ($1,050.00):		
Miss G. Boyle	75 00	
Miss M. Brady	75 00	
Miss M. Finch	75 00	
Miss M. Foreman	75 00	
Miss V. Hyland	25 00	
Miss I. Locheed	75 00	
Miss M. MacGregor	75 00	
Miss E. Mackintosh	75 00	
Miss M. L. Newton	25 00	
Miss M. Ray	75 00	
Miss B. Steele	25 00	
Miss R. Stock	75 00	
Miss H. Stubbs	75 00	
Miss J. Thomson	75 00	
Miss F. Waldon	75 00	
Miss C. Wood	75 00	
Laboratory and library assistance and pianist's services ($217.90):		
Mrs. S. McKerrighan, 380 hrs.	125 40	
Mrs. M. Graham, 92½ hrs.	92 50	
Office supplies ($2,497.74):		
William Bartlett & Son, shade repairs	12 00	
Miss A. Elliott, clerical assistance, 8 wks. 5 days	198 75	
D. Gestetner Ltd., ink, stencils, etc.	215 84	
Grand & Toy, chairs, hat trees, etc.	167 10	
National Stationer's Ltd., folders	11 00	

Office Specialty Mfg. Co., cabinet, table, drawers, etc.	112	08
Postage	300	00
Remington Rand Ltd., desk units, etc.	57	50
Robbins & Townsend, typewriter inspection, etc.	48	10
Robert Simpson Co., linoleum, etc.	202	00
Thomas-Corney Typewriters Ltd., typewriter $129.60 less allowance on old machine $15	114	60
University Press, printing and stationery	722	52
Accounts under $10 (5)	11	57
Sundry disbursements by department, telegrams, etc., $21.24; sundries, $9.37	30	61
Superintendent's Dept., labour $209.07; material $85.00	294	07
Office supplies for Library School ($364.94):		
Miss S. Ballard, clerical assistance, 2½ mos.	62	50
D. Gestetner Ltd., stencils	20	40
Grand & Toy, filing cabinet, etc.	27	30
Postage	85	00
University Press, printing and stationery	95	74
Accounts under $10 (2)	12	90
Sundry disbursements by department	18	00
Superintendent's Dept., labour, $17.99; material, $25.11	43	10
General supplies and apparatus for class room use ($7,478.95):		
Aikenhead Hardware, Ltd., hardware	209	92
American Tent & Awning Co., mats recovered	223	42
Art Metropole, paper	10	00
Artist Supply Co., chalk, ink, etc.	72	84
Associated Screen News Ltd., projector, etc.	221	43
R. D. Belton, curtains	78	40
Canadian Laboratory Supplies, glassware, etc.	425	30
Gus Cancilla, fruit and vegetables	189	27
Central Scientific Co., chemicals and glassware	530	81
City Dairy	38	88
Clarke Irwin & Co., books	14	10
Copeland, Duncan, Ltd., desks	156	27
Copp Clark Co., chalk, books, etc.	42	54
Dictaphone Sales Corporation, machine inspection and supplies	20	75
Dodd Mead Co., book	12	20
James T. Donnelly & Co., bar folder and lathe	340	28
T. Eaton Co., towelling, dishes, piano rental, etc.	307	04
General Steel Wares Ltd., hot plate, etc.	69	60
Gift Shop, model	10	00
T. Gerrard & Co., slides	14	42
Grand & Toy, chair, paper, etc.	114	75
Guild of All Arts, looms, etc.	27	95
George M. Hendry Co., plastecine	13	57
Institute of Book-Keepers, slides	15	67
Lackie Mfg. Co., shield	49	43
R. Laidlaw Co., beaver board	17	71
Linguaphone Institute, book	28	00
Longmans, Green & Co., books	12	08
McClelland Stewart Ltd., books	21	56
McMillan Co., books	72	27
Matthews McCutcheon & Co., lantern screen	166	90
Moyers School Supplies, books, etc.	121	07
William Park, uranesphere	25	00
J. H. Payne Co., meat	11	60
Photographic Service, slides	11	50
Preston Woodworking Machinery Co., converting lathe	239	52
R. C. A. Victor Co., charts and records	94	31
Reliance Engravers Ltd., zincs	24	74
May L. Richards, book	28	00
Ryerson Press, projector repairs, films, etc.	127	13
Henry S. Saunders, gramophone records	14	60
J. B. Smith & Sons, Ltd., lumber	178	56
Leslie Victor Smith, lettering certifciates	95	05
Sprague Troyer Biological Service, specimens	158	09
G. Tamblyn's Ltd., soap	16	13
Toronto Conservatory of Music, paper	10	50

Trade and Commerce Department, films	141 67
Underwood-Elliott-Fisher Ltd., typewriter rental	356 25
Warwick Bros. & Rutter, paper	125 28
Waterloo Music Co., book	11 60
Whaley Royce & Co., metronome, etc.	22 45
Harold A. Wilson, parallel bars and mats	107 50
Payments to examiners, extra-mural candidates:	
M. .A Cameron	27 37
J. O. Carlisle	22 87
G. A. Cornish	40 12
B. C. Diltz	35 25
G. M. Jones	33 75
J. A. Long	14 25
W. J. Lougheed	15 75
P. Sandiford	13 87
Miss H. B. St. John	23 25
University Press, printing and stationery	253 72
Accounts under $10 (33)	173 29
Sundry disbursements by department	18 80
Superintendent's Dept., labour, $854.82; material $503.93	1,358 75
Supplies and equipment for Library School ($851.57):	
American Library Association, books	65 69
Association of American Library School, membership and publications	10 21
Bookshelf Bindery, book	28 90
Columbia University Bookstore, library service	14 59
Gordon & Gotch, subscription	97 81
Grafton & Co., book	22 71
Grand & Toy, steel locker and cupboards	174 45
Dora Hoods' Book Room, book	10 00
Library Association, books	14 16
Lowe-Martin Co., cards	30 35
Mitchell & McGill, desk	53 00
Robbins & Townsend, typewriter inspection	20 10
L. C. Smith Corona Typewriter Co., typewriter rental	30 00
H. W. Wilson & Co., books	61 45
University Press, printing and stationery	108 70
Accounts under $10 (28)	93 95
Superintendent's Dept., labour, $9.95, material, $5.55	15 50
Library books, periodicals, etc. ($2,010 45):	
Bookshelf Bindery, books	58 04
Clark Irwin & Co., books	32 60
Copp Clark & Co., books	41 12
J. M. Dent & Sons, books	36 84
William Dawson Subscription Service	66 65
Evans Bros., subscriptions	17 92
W. J. Gage & Co., books	12 41
Grand & Toy, card index	81 00
Mrs. Catherine Grant, clerical assistance, 32 wks. 5 days	656 66
Library of Congress, cards, etc.	16 18
J. B. Lippincott & Co., books	28 45
Longmans, Green & Co., books	20 76
Lowe Martin & Co., cards	25 00
George J. McLeod, Ltd., books	22 62
MacMillan Co., Books	25 11
Moyer School Supplies, map	17 24
Musson Book Co., book	29 92
National Geographic Society	12 48
Thomas Nelson & Sons, book	14 46
Preston Noelting Ltd., chips	20 28
W. F. Quarrie & Co., books	47 50
Ryerson Press, books	405 25
Mrs. May L. Richards, books	19 50
S. J. Reginald Saunders, books	10 17
H. W. Wilson, books	48 65
University Press, printing and stationery	114 77
Accounts under $10 (39)	128 87

Physical training, including care of grounds, Field Day Sports, etc. ($480.97):

Eastman Photographic Stores, films and plates	13 79
Independent Towel Supply Co., towels	13 71
Lackie Mfg. Co., shields	130 00
Margesson & Co., shuttles	13 75
University Arena, rental, etc.	123 00
University Athletic Association	12 75
Harold A. Wilson Co., balls and bats	52 71
Accounts under $10 (4)	16 81
Superintendent's Dept., labour, $59.85; material $44.60	104 45

Lunchroom equipment ($447.37):

Cassidy's Ltd., dishes, etc.	52 90
T. Eaton Co., linen, etc.	23 86
Hospital & Kitchen Eqquipment Co., gas burner inspection	2 75
Superintendent's Dept., labour $117.67; material, $250.19	367 86

Graduate Courses and Summer Session ($3,180.00):

Instructors:

J. G. Althouse	350 00
Miss W. G. Barnstead	60 00
M. A. Cameron	210 00
Miss Cora M. Cole	100 00
C. B. Conway	140 00
F. E. Coombs	450 00
Miss Helen K. Jackson	100 00
H. W. Jamieson	40 00
J. A. Long	280 00
Miss Annette Marsh	125 00
S. B. McCready	125 00
A. T. McLachlan	350 00
C. E. Phillips	750 00
M. E. Silverthorn	50 00
Miss L. H. Smith	10 00
W. S. Wallace	40 00

Department of Educational Research:

Research Assistants ($2,291.66):

C. B. Conway, 5 mos. (resigned—paid also $140 for Extension Work)	791 66
F. W. Minkler, 12 mos.	1,000 00
J. H. Boothe, 5 mos.	312 50
M. Sniderman, 3 mos.	187 50
Secretary, Miss K. M. Hobday, 12 mos.	1,800 00

Clerical Assistance ($2,683.33):

Miss M. Graham, 12 mos.	1,200 00
Miss M. Spalding, 12 mos.	1,100 00
Mrs. C. Grant, 19 wks. 1 day	383 33

Office supplies, printing, etc. ($1,961.43):

D. Gestetner Ltd., stencils, paper, etc.	186 55
Lowe-Martin Co., guides, binders, etc.	67 05
Leonard A. Philip & Co., calculator machine	648 90
Postage	88 50
Robbins & Townsend, typewriter inspection	40 50
Ryerson Press, books	14 31
U. File M. Binder Mfg. Co., binders	17 75
Underwood-Elliott-Fisher Ltd., typewriter	145 80
University Press, printing and stationery	565 40
Accounts under $10 (5)	19 12
Sundry disbursements by department:	
Stationery, $14.52; books, car tickets, etc. $15.48	30 00
Superintendent's Dept., freight, $80.11; labour, $42.73; material, $14.71	137 55

Students' Social Activities ($419.73):		
Central Technical School, refreshments	22 00	
Dominion Venetian Blind Co., blinds and brushes	46 05	
T. Eaton Co., auditorium rental and couches purchased	155 80	
Jarvis Collegiate Institute, refreshments	22 00	
University Schools Cafeteria, refreshments	173 88	
Publication of "The School" and distribution in Training Schools:		
"The School," subscriptions	5,000 00	
Contingencies ($298.30):		
Travelling expenses		
Dean J. G. Althouse, London and Kingston	20 60	
Miss W. G. Barnstead, Montreal	41 15	
M. A. Cameron, London and Kingston	34 55	
Miss D. A. Thompson, New York	32 00	
University Schools cafeteria maintenances	170 00	
		$79,654 84
		$299,252 18

REPORT

RELATING TO THE REGISTRATION OF

BIRTHS, MARRIAGES AND DEATHS

IN THE

PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31st DECEMBER

1939

(BEING THE SEVENTIETH ANNUAL REPORT)

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 13, 1940

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1941

SIR:

I have the honour to submit for your approval the Seventieth Annual Report made in conformity with and under the provisions of the Act respecting the Registration of Births, Marriages and Deaths in the Province of Ontario, for the year ending December 31st, 1939.

I have the honour to be, Sir,

Your obedient servant,

F. V. JOHNS,
Deputy Registrar-General.

TO THE HON. H. C. NIXON,
Registrar-General of Ontario.

To His Honour the Lieutenant-Governor of the Province of Ontario

May It Please Your Honour:

I herewith beg to present for your consideration the Seventieth Annual Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths in the Province of Ontario during the year 1939.

Respectfully submitted,

H. C. NIXON,
Registrar-General of Ontario.

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REPORT UPON

Births, Marriages and Deaths

For the Year 1939

BEING THE SEVENTIETH ANNUAL REPORT OF THE REGISTRAR-GENERAL

ESTIMATED POPULATION BY AGE AND SEX

ONTARIO—1939

	Males	Females	Totals
Totals	**1,912,000**	**1,840,000**	**3,752,000**
Under 1	32,470	31,370	63,840
1	32,580	31,810	64,390
2	34,850	33,810	68,660
3	35,270	34,630	69,900
4	35,510	34,090	69,600
Totals under 5 years	**170,680**	**165,710**	**336,390**
5– 9	184,470	179,550	364,020
10–14	176,700	171,260	347,960
15–19	178,550	170,100	348,650
20–24	161,450	156,910	318,360
25–29	148,570	140,810	289,380
30–34	140,760	134.910	275,670
35–39	137,430	132,240	269,670
40–44	128,990	120,890	249,880
45–49	118,090	107,280	225,370
50–54	100,110	94,100	194,210
55–59	76,830	73,060	149,890
60–64	63,130	62,530	125,660
65–69	50,520	50,840	101,360
70–74	38,670	39,590	78,260
75–79	21,540	22,180	43,720
80–84	10,150	11,450	21,600
85–89	3,720	4,660	8,380
90 and over	1,070	1,530	2,600
Not stated	570	400	970

The population is distributed as follows:—

Cities, Towns and Villages of 10,000 population and over 1,673,431. Towns and Villages of 5,000 to 10,000 population 198,006. Rural (including all other municipalities) 1,880,563.

BIRTHS

There were registered 64,123 living births during the year 1939, being a rate of 17.1 per 1,000 of population. This being a numerical decrease of 1,441.

BIRTHS

There were 32,935 boys, or 51.3% of the total number; and 31,188 girls, or 48.6% which represents 94.6 male to 100 female births.

NUMBER OF BIRTHS AND RATE PER 1,000 OF POPULATION

	1939		1938	
	Number	Ratio	Number	Ratio
Province	64,123	17.1	65,564	17.6
Cities	34,780	20.7	35,194	21.1
Towns	4,557	23.0	4,542	23.6
Rural	24,786	13.1	25,828	13.7

NUMBER OF BIRTHS AND RATE FOR 10 YEARS

Year	Number	Ratio	Year	Number	Ratio
1930	71,263	21.0	1935	63,069	17.5
1931	69,209	20.2	1936	62,451	16.9
1932	66,842	19.2	1937	61,645	16.6
1933	63,646	18.1	1938	65,564	17.6
1934	62,234	17.5	1939	64,123	17.1

STILL BIRTHS

Year	Registered as Births	Ratio per 1,000 Total Births	Year	Registered as Births	Ratio per 1,000 Total Births
1920	2,495	33.3	1930	2,713	36.6
1921	3,234	41.7	1931	2,652	36.9
1922	3,015	40.5	1932	2,377	34.3
1923	3,028	41.4	1933	2,161	32.7
1924	2,594	34.9	1934	2,091	32.5
1925	2,780	38.1	1935	2,140	32.7
1926	2,812	39.9	1936	2,034	31.5
1927	2,758	39.5	1937	1,988	31.2
1928	2,793	39.2	1938	2,015	29.8
1929	2,730	38.8	1939	1,965	30.6

BIRTHS

AGE OF MOTHER

Year	12	13	14	15	16	17	18	19	20	21	22	23	24	25	12–25	Others
1930	..	5	33	101	349	835	1636	2498	3042	3441	4004	4129	4176	4010	28262	43001
1931	2	6	24	104	361	847	1720	2457	2937	3401	3820	3984	4118	4017	27800	41409
1932	..	3	12	106	308	783	1647	2400	2946	3422	3596	3787	4058	3850	26909	39933
1933	..	5	24	97	318	750	1661	2334	2843	3220	3421	3631	3765	3791	25350	38296
1934	..	5	16	79	288	709	1476	2276	2783	3221	3471	3484	3688	3507	25003	37231
1935	..	3	17	103	312	710	1497	2270	2842	3366	3499	3738	3732	3757	25846	37223
1936	..	5	25	104	294	691	1497	2269	2946	3391	3629	3682	3745	3666	25944	36507
1937	..	5	14	97	306	781	1521	2258	2779	3308	3725	3791	3756	3661	26002	35643
1938	1	9	19	87	342	856	1796	2395	2963	3511	3866	4143	4137	4092	28217	37347
1939	..	5	16	88	297	829	1655	2567	2851	3303	3681	3995	4183	3968	27438	36685
Total	3	51	200	966	3175	7791	16106	23624	28932	33524	36712	38364	39358	38309	265781	383275

42.7% of living births were of mothers under 25 years of age and 57.2% of mothers 25 years and over.

ILLEGITIMATE BIRTHS

Rate per 1,000 living Births

1908	14.9	1916	20.9	1924	24.0	1932	42.3
1909	13.9	1917	19.5	1925	26.8	1933	43.8
1910	19.3	1918	21.0	1926	26.9	1934	40.2
1911	19.4	1919	19.8	1927	29.0	1935	41.8
1912	21.3	1920	20.5	1928	31.7	1936	44.6
1913	21.6	1921	21.5	1929	34.6	1937	45.3
1914	22.1	1922	21.2	1930	37.2	1938	46.6
1915	21.9	1923	22.5	1931	40.0	1939	45.9

ILLEGITIMATE BIRTHS

By Ages of Mothers

Year	12	13	14	15	16	17	18	19	20	21	22	23	24	25	12–25	Over 25	Total	Rate
1930..	..	5	27	72	146	198	249	294	293	200	207	143	145	97	2076	575	2651	37.2
1931..	2	6	21	71	152	235	292	313	233	229	202	171	137	90	2154	619	2773	40.0
1932..	..	3	10	53	124	212	310	320	286	257	172	165	151	103	2166	668	2834	42.5
1933..	..	4	17	52	144	209	314	331	268	256	200	144	128	97	2164	622	2786	43.8
1934..	..	5	12	38	96	190	226	272	251	233	198	139	123	104	1887	613	2500	40.2
1935..	..	3	16	49	123	186	248	278	259	265	187	184	139	103	2040	602	2642	41.8
1936..	..	5	24	60	107	179	261	298	271	266	225	179	153	121	2149	639	2788	44.6
1937..	..	5	12	58	119	199	244	261	239	260	215	173	142	126	2053	743	2796	45.3
1938..	1	8	13	51	117	213	286	304	275	281	226	219	171	126	2291	770	3061	46.6
1939..	..	5	16	49	120	187	264	291	284	238	218	172	155	159	2158	726	2884	45.9
Total.	3	49	162	553	1248	1998	2688	2962	2659	2485	2050	1689	1444	1126	21138	6577	27715	.....

In the case of illegitimate births 74.8% of the mothers were under 25 years of age and of the total 2,884 such births, 1,460 or 50.6% were boys and 1,424 or 49.3% girls.

MULTIPLE BIRTHS

There were 687 cases of twin births. Of these 717 were males and 657 females.

There were 7 cases of triplets, 9 boys and 12 girls.

Table 15 will give a detailed explanation of the multiple births.

CONFINEMENTS

Multiple births	694
Single living births	62,810
Single still births	1,883
	65,387

Other tables dealing with births will be found from Table No. 1 to Table No. 15.

MARRIAGES

NUMBER AND RATE PER 1,000 OF POPULATION

	1939		1938	
	Number	Ratio	Number	Ratio
Province	34,657	9.2	30,080	8.1
Cities	20,809	12.4	17,733	10.6
Towns	2,249	11.3	1,911	9.9
Rural	11,599	6.1	10,436	5.5

NUMBER AND RATIO PER 1000 POPULATION FOR 10 YEARS

Year	Marriages	Ratio	Year	Marriages	Ratio
1929	27,605	8.3	1935	26,843	7.5
1930	25,605	7.6	1936	27,734	7.5
1931	23,771	6.9	1937	29,893	8.1
1932	22,224	6.4	1938	30,080	8.1
1933	22,587	6.4	1939	34,657	9.2
1934	25,874	7.3			

The tables dealing with marriages from various angles are numbered 16 to 22.

DIVORCES 1939

747 divorce returns were filed with the Registrar-General in 1939.

258 granted to men and 489 to women.

The above figures are compiled from information sent to the Registrar-General by the Registrars of the Supreme Courts of Ontario.

DEATHS

	1939		1938	
	Number	Ratio	Number	Ratio
Province	37,530	10.0	36,890	9 9
Cities	19,130	11.4	18,783	11 3
Towns	2,516	12.7	2,393	12.4
Rural	15,884	8.4	15,714	8.3

DEATHS AND RATE PER 1,000 OF POPULATION FOR 10 YEARS

Year	Deaths	Ratio	Year	Deaths	Ratio
1930	37,313	11.0	1935	36,317	10.1
1931	35,705	10.4	1936	37,571	10.2
1932	36,469	10.5	1937	38,475	10.4
1933	35,301	10.0	1938	36,890	9.9
1934	35,119	9.9	1939	37.530	10.0

TEN HIGHEST CAUSES OF DEATH IN EACH YEAR PER 100,000 OF POPULATION

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Organic heart disease	5,634	5,818	6,679	6,619	7,066	7,053	7,053	7,226	7,354	7,705
	166.1	169.2	192.1	187.6	198.3	196.1	191.1	194.7	197.0	205.3
Pneumonia (all forms)	2,279	2,305	2,388	2,175	2,145	2,417	2,520	2,595	2,495	2,174
	67.3	67.1	68.7	61.7	60.2	67.2	68.2	69.9	66.8	57.9
Influenza	854	1,084	1,544	1,240	580	958	722	1659	618	1,190
	25.7	31.6	44.4	35.1	16.2	26.6	19.5	44.6	16.5	31.7
Tuberculosis	1,791	1,728	1,604	1,465	1,337	1,303	1,327	1,315	1,237	1,085
	52.8	50.4	46.1	41.4	37.5	36.2	35.9	35.4	33.1	28.9
Cancer	3,635	3,726	3,825	4,044	4,034	4,214	4,441	4,547	4,472	4,567
	107.2	108.6	110.0	114.7	113.2	117.2	120.2	122.5	119.8	121.7
Violent or accidental deaths	2,774	*2,819	2,571	2,278	2,535	2,672	3,294	2,851	2,754	2,718
	81.8	82.1	73.9	64.6	71.1	74.2	89.4	76.8	73.8	72.4
Cerebral hemorrhage, cerebral embolism and thrombosis	1,219	1,268	1,259	1,262	1,229	1,025	839	770	790	814
	36.0	37.0	36.2	35.8	34.5	28.5	22.7	20.7	21.1	21.6
Diseases of the arteries	3,628	3,165	3,559	3,574	3,793	4,109	4,621	4,633	4,745	5,189
	107.1	92.2	102.4	101.4	106.4	114.2	125.2	124.8	127.1	138.2
Infantile diarrhoea	943	821	483	571	509	310	362	399	312	253
	27.8	23.9	13.9	16.2	14.3	8.6	9.8	10.7	8.3	6.7
Nephritis	1,759	1,341	1,810	1,754	1,700	1,848	1,892	1,946	1,900	1,889
	51.9	39.0	52.1	49.7	47.7	51.4	51.2	52.4	50.9	50.3
Diabetes	.....	.....	.....	.....	.....	524	566	579	584	657
						14.5	15.3	15.6	15.6	17.9

*Revised.

COMMUNICABLE DISEASES

Rates per 100,000 of population

	1930		1931		1932		1933		1934		1935		1936		1937		1938		1939	
Typhoid fever	78	2.3	99	2.9	58	1.6	51	1.5	49	1.4	39	1.0	40	1.0	35	0.9	39	1.0	19	0.5
Smallpox	1	0.0	1	0.0			1	0.0	...	....	...	...	...	...	..	...	..	...	..	...
Measles	95	2.8	29	0.8	118	3.3	37	1.0	5	0.1	89	2.5	84	2.3	30	0.8	31	0.8	44	1.1
Scarlet fever	111	3.3	54	1.5	40	1.1	43	1.2	58	1.6	57	1.6	79	2.1	50	1.3	49	1.3	53	1.4
Whooping cough	180	5.4	174	5.0	132	3.7	119	3.3	178	4.7	114	3.1	112	3.0	104	2.8	88	2.3	75	1.9
Diphtheria	202	6.1	157	4.5	89	2.5	40	1.1	23	0.6	33	0.9	31	0.9	30	0.8	11	0.2	13	0.3
Influenza	854	25.7	1084	31.6	1544	44.4	1240	35.1	580	16.2	958	26.6	722	19.5	1659	44.6	618	16.5	1190	31.7
Poliomyelitis	92	2.7	28	0.8	24	0.6	15	0.4	39	1.9	14	0.3	23	0.6	119	3.2	25	0.6	23	0.6

TUBERCULOSIS

The following Table showing deaths and rates over a fifty-year period is shown for comparison and indicates the effectiveness of effort to wipe out this disease.

Year	Number	Rate	Year	Number	Rate
1889..............	2,417	116.4	1919..............	2,215	77.7
1899..............	3,405	156.9	1929..............	1,703	51.1
1909..............	2,380	96.9	1939..............	1,085	28.9

Deaths in Ontario from Tuberculosis by Ages, 1930-1939

Year	Total	Ratio per 100,000	Under 5 years					5-9	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80 and over	Not stated	Total deaths from all causes.
			0–1	1	2	3	4												
1930	1,791	52.8	39	30	10	16	7	55	55	159	463	312	238	182	140	72	13	...	37,313
1931	1,728	50.4	25	33	11	16	5	33	46	132	458	337	228	178	134	75	15	2	35,705
1932	1,604	46.1	26	22	14	8	6	32	32	130	387	290	218	212	132	79	16	...	36,469
1933	1,465	41.5	23	28	15	10	10	30	32	101	375	259	223	168	111	68	11	1	35,301
1934	1,337	37.5	14	13	8	14	5	29	23	93	307	260	202	149	135	73	11	1	35,119
1935	1,303	36.2	15	17	12	13	5	25	36	88	264	230	205	186	114	70	12	1	36,317
1936	1,327	35.9	12	24	14	11	5	37	28	93	285	241	202	168	129	65	13	...	37,571
1937	1,315	35.4	19	12	17	6	4	27	28	72	299	230	201	177	132	74	16	1	38,475
1938	1,237	33.1	17	16	8	10	8	24	29	76	246	225	199	160	131	75	11	2	36,890
1939	1,085	28.9	12	7	6	5	8	20	23	64	211	195	144	173	131	72	13	1	37,530

TUBERCULOSIS

Number of Deaths in each Age Group and Rate per 100,000 Population

	1934				1935				1936				1937				1938				1939			
	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate
Under 1 yr.	6	19.4	8	26.7	11	35.3	4	13.3	11	34.4	1	3.2	10	31.1	9	28.9	10	30.9	7	22.3	7	21.5	5	15.9
1 "	6	19.3	7	23.2	10	31.9	7	22.9	17	53.0	7	22.3	6	18.5	6	19.1	7	21.5	9	27.7	3	9.2	4	12.5
2 yrs.	5	15.1	3	9.3	2	5.9	10	30.8	7	20.4	7	21.0	7	20.2	10	29.8	4	11.5	4	11.8	4	11.4	2	5.9
3 "	7	20.9	7	21.3	8	23.7	5	15.0	10	28.8	1	2.9	3	8.6	3	8.7	3	8.5	7	20.3	1	2.8	4	11.5
4 "	4	11.8	1	3.0	3	8.8	2	6.1	3	8.5	2	5.9	1	2.8	3	8.9	4	11.3	4	11.8	3	8-4	5	14.6
5 to 9 "	14	7.9	15	8.7	16	9.0	19	11.0	24	13.3	13	7.3	13	3.1	14	7.8	9	4.9	15	8.4	11	5.9	9	5.0
10 " 14 "	10	5.9	13	7.9	20	11.8	16	9.7	13	7.4	15	8.9	11	6.2	17	10.0	11	6.2	18	10.5	8	4.5	15	8.7
15 " 19 "	27	15.9	66	40.8	35	30.4	53	32.5	37	21.0	56	33.3	29	16.4	43	25.5	28	15.7	48	28.4	24	13.4	40	23.5
20 " 24 "	62	40.4	85	57.0	46	29.7	87	57.7	60	37.8	86	55.7	61	38.2	101	65.0	50	31.1	72	46.1	43	26.6	50	31.8
25 " 29 "	79	56.0	81	60.6	53	37.3	78	57.8	57	39.0	82	59.2	56	38.1	81	58.2	54	36.5	70	50.0	52	35.0	66	46.8
30 " 34 "	67	50.1	74	57.8	61	45.2	62	47.9	60	43.3	60	45.2	62	44.5	49	36.7	67	47.8	56	41.7	50	35.5	55	40.7
35 " 39 "	78	59.7	41	32.6	60	45.5	47	37.0	76	56.2	45	34.6	71	52.2	48	36.6	69	50.4	33	25.0	53	38.5	37	27.9
40 " 44 "	64	52.2	36	31.3	85	68.7	43	37.1	64	50.4	35	29.4	64	50.1	34	28.4	54	42.0	38	31.6	57	44.2	27	22.3
45 " 49 "	63	56.1	39	31.4	50	44.1	27	26.2	64	55.1	39	36.9	79	67.6	24	22.6	69	58.7	38	35.6	39	33.0	21	19.5
50 " 59 "	101	60.1	48	28.5	126	74.3	60	37.4	123	70.6	45	27.3	136	77.7	41	24.7	108	61.4	52	31.2	133	75.1	40	23.9
60 " 69 "	85	78.8	50	46.3	75	68.9	39	35.8	80	71.6	49	43.9	87	77.4	45	40.1	82	72.6	49	43.4	87	76.5	44	38.8
70 " 79 "	39	68.1	34	59.4	40	69.3	30	50.4	38	64.1	27	44.4	39	65.4	35	57.2	42	70.2	33	53.6	42	69.7	30	48.5
80 yrs. and over...	2	14.1	9	63.5	6	41.9	6	35.3	5	32.7	8	45.2	5	33.8	11	62.9	5	33.7	6	34.1	7	46.8	6	34.0
Not stated.	1	.....	...	....	1	.....	...	....	...	.....	...	....	1	....	...	.....	2	.....	...	.....	1	....	...	....
Total......	720	39.6	617	35.3	708	38.6	595	33.7	749	39.8	578	31.9	741	39.1	574	31.5	678	35.6	559	30.5	625	32.6	460	24.9

TUBERCULOSIS

Death Rates from T.B. by Age Groups for 10 Years, 1930-1939

(Rate per 100,000 Population)

	Under 1 Year		1 Year		2 Years		3 Years		4 Years		5–9		10–14		15–19		20–24	
Year	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1930...	71.1	33.1	43.3	45.0	10.4	16.3	13.1	29.4	2.6	16.2	15.0	14.9	11.2	20.2	22.8	65.0	75.2	83.2
1931...	57.2	31.4	67.1	44.7	12.6	22.6	21.7	28.4	6.0	9.6	7.6	12.1	11.6	17.1	30.0	53.3	56.9	102.4
1932...	46.5	41.4	46.2	27.1	21.7	22.3	12.2	12.4	12.2	6.3	5.8	13.2	7.3	12.6	30.8	50.1	51.5	77.8
1933...	42.5	34.0	58.6	33.4	27.5	18.8	21.1	9.2	23.9	6.2	9.2	8.3	7.8	11.8	21.4	40.7	48.1	80.6
1934...	19.4	26.7	19.3	23.2	15.1	9.3	20.9	21.3	11.8	3.0	7.9	8.7	5.9	7.9	15.9	40.8	40.4	57.0
1935...	35.3	13.3	31.9	22.9	5.9	30.8	23.7	15.0	8.8	6.1	9.0	11.0	11.8	9.7	30.4	32.5	29.7	57.7
1936...	34.4	3.2	53.0	22.3	20.4	21.0	28.8	2.9	8.5	5.9	13.3	7.3	7.4	8.9	21.0	33.3	37.8	55.7
1937...	31.1	28.9	18.5	19.1	20.2	29.8	8.6	8.7	2.8	8.9	7.1	7.8	6.2	10.0	16.4	25.5	38.2	65.0
1938...	30.9	22.3	21.5	27.7	11.5	11.8	8.5	20.3	11.3	11.8	4.9	8.4	6.2	10.5	15.7	28.4	31.1	46.1
1939...	21.5	15.9	9.2	12.5	11.4	5.9	2.8	11.5	8.4	14.6	5.9	5.0	4.5	8.7	13.4	23.5	26.6	31.8

	25–29		30–34		35–39		40–44		45–49		50–59		60–69		70–79		80 and Over	
Year	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1930...	71.6	78.0	62.3	80.0	75.7	61.1	80.1	62.4	72.8	63.4	95.7	53.8	120.9	52.6	107.4	76.9	47.6	57.2
1931...	82.4	89.2	78.4	69.7	54.0	67.8	63.6	41.6	71.2	30.5	74.7	37.3	69.2	59.8	83.5	51.3	43.9	55.7
1932...	68.3	79.0	71.3	60.8	62.8	33.4	65.3	42.8	50.2	37.3	81.1	51.1	71.2	54.3	69.9	69.5	36.6	65.9
1933...	50.1	85.5	52.9	48.8	55.7	44.2	49.5	40.5	60.4	49.6	65.6	37.5	58.1	46.0	56.5	61.7	65.9	30.0
1934...	56.0	60.6	50.1	57.8	59.7	32.6	52.2	31.3	56.1	31.4	60.1	28.5	78.8	46.3	68.1	59.4	14.1	63.5
1935...	37.3	57.8	45.2	47.9	45.5	37.0	68.7	37.1	44.1	26.2	74.3	37.4	68.9	35.8	69.3	50.4	41.9	35.3
1936...	39.0	59.2	43.3	45.2	56.2	34.6	50.4	29.4	55.1	36.9	70.6	27.3	71.6	43.9	64.1	44.4	32.7	45.2
1937...	38.1	58.2	44.5	36.7	52.2	36.6	50.1	28.4	67.6	22.6	77.7	24.7	77.4	40.1	65.4	57.2	33.8	62.9
1938...	36.5	50.0	47.8	41.7	50.4	25.0	42.0	31.6	58 7	35.6	61.4	31.2	72.6	43.4	70.2	53.6	33.7	34.1
1939...	35.0	46.8	35.5	40.7	38.5	27.9	44.2	22.3	33.0	19.5	75.1	23.9	76.5	38.8	69.7	48.5	46.8	34.0

DEATHS FROM TUBERCULOSIS, 1939

Counties (Exclusive of Cities, Towns and Villages of 5,000 and over.)	Place of Occurrence		Place of Residence	
	Number	Rate	Number	Rate
Addington	1	13.3	4	53.3
Algoma	10	37.3	20	74.7
Brant	15	55.4	8	29.5
Bruce	4	8.6	7	15.1
Carleton	6	17.8	10	29.7
Cochrane	13	35.0	24	64.7
Dufferin	1	6.1	2	12.3
Dundas	3	17.0	5	28.3
Durham	1	3.3	4	14.2
Elgin	3	9.6	5	16.0
Essex	3	4.9	10	16.6
Frontenac	5	20.7	5	20.7
Glengarry	22	108.5	13	64.1
Grenville	3	16.6	4	22.2
Grey	4	8.1	10	20.2
Haldimand	3	12.8	5	21.4
Haliburton	1	15.6	1	15.6
Halton	5	17.3	5	17.3
Hastings	9	21.1	14	32.8
Huron	3	6.0	10	20.1
Kenora	6	38.8	9	58.3
Kent	2	3.8	10	19.3
Lambton	4	9.6	12	28.9
Lanark	7	24.7	12	42.4
Leeds	3	10.4	9	31.3
Lennox	1	7.6	1	7.6
Lincoln	14	44.3	5	15.8
Manitoulin	13	111.7	16	137.5
Middlesex	94	176.2	13	24.3
Muskoka	55	340.2	7	30.5
Nipissing	3	10.2	10	34.2
Norfolk	3	10.7	7	25.1
Northumberland	6	20.8	8	27.8
Ontario	1	2.8	7	20.1
Oxford	2	5.6	7	19.8
Parry Sound	8	28.4	12	42.6
Peel	3	11.9	6	23.9
Perth	2	5.1	5	12.7
Peterborough	3	12.5	7	29.3
Prescott	5	24.0	10	48.0
Prince Edward	5	27.7	6	33.6
Rainy River	2	14.9	6	44.9
Renfrew	2	4.8	6	14.5
Russell	2	9.8	3	14.8
Simcoe	5	8.0	7	11.2
Stormont	..	.....	9	40.7
Sudbury	15	43.3	27	78.0
Thunder Bay	10	41.2	18	74.2
Temiskaming	20	121.5	10	60.7
Victoria	3	14.3	7	33.5
Waterloo	20	55.9	6	16.7
Welland	4	9.3	7	16.3
Wellington	5	12.0	13	31.2
Wentworth	90	187.7	2	4.1
York	136	54.4	42	16.8
Patricia	1	22.2	4	88.8
Outside of Ontario	..	.....	3	.....

Cities, Towns and Villages of 5,000 and over.	Place of Occurrence		Place of Residence	
	Number	Rate	Number	Rate
Barrie	..	...	1	11.1
Belleville	6	40.8	6	40.8
Brampton	..	...	..	...
Brantford	3	9.5	8	25.4
Brockville	4	40.1	3	30.1
Chatham	..	...	6	35.3
Cobourg	..	...	1	17.2
Collingwood	2	37.5	3	56.3
Cornwall	15	110.5	15	110.5
Dundas	1	19.9	1	19.9
Eastview	2	27.6	5	69.0
Forest Hill	1	8.5	1	8.5
Fort Erie	..	...	1	16.5
Fort Francis	..	...	4	69.0
Fort William	38	150.5	16	63.2
Galt	1	7.0	3	21.0
Guelph	3	13.7	5	22.9
Hamilton	14	9.0	42	27.1
Hawkesbury	2	32.2	5	80.6
Ingersoll	2	37.7	2	37.7
Kenora	3	34.9	3	34.9
Kingston	16	62.0	13	50.4
Kirkland Lake	2	8.3	4	16.6
Kitchener	3	9.0	5	15.0
Leamington	..	...	2	34.4
Lindsay	..	...	1	13.8
London	14	18.3	21	27.5
Midland	1	15.3	..	...
Mimico	..	...	..	...
New Toronto	15	209.0	2	27.8
Niagara Falls	..	...	3	15.9
North Bay	3	18.9	8	50.5
Orillia	..	...	1	11.0
Oshawa	1	4.0	6	24.0
Ottawa	76	52.3	64	44.1
Owen Sound	4	29.2	5	36.5
Pembroke	2	19.1	2	19.1
Peterborough	2	8.2	4	16.5
Port Arthur	4	18.3	9	41.3
Port Colborne	1	15.4	1	15.4
Preston	1	15.7	1	15.7
Renfrew	1	18.6	1	18.6
Riverside	..	...	1	19.1
St. Catharines	2	7.2	3	10.8
St. Thomas	3	18.1	7	42.4
Sarnia	2	10.9	3	16.4
Sault Ste. Marie	7	29.2	6	25.1
Simcoe	2	31.9	2	31.9
Smith's Falls	..	...	..	....
Stratford	1	5.8	2	11.6
Sudbury	13	44.5	13	44.5
Swansea	1	15.6	3	47.0
Thorold	..	...	1	19.8
Timmins	10	37.9	17	64.5
Toronto	91	14.0	191	29.4
Trenton	..	...	..	...
Waterloo	..	...	..	...
Welland	..	..	1	8.9
Weston	..	...	..	...
Whitby	2	36.0	5	90.0
Windsor	30	28.9	27	26.0
Woodstock	8	69.1	..	...
Outside of Ontario	..	..	4	...

CANCER

The following Table shows how deaths and the death rate from Cancer have increased in the last half century:

1889	714— 34.4
1899	1,041— 48.0
1909	1,597— 65.0
1919	2,182— 76.9
1929	3,402—104.5
1939	4,567—121.7

CANCER

Number of Deaths and Rate per 100,000 Population by Age Groups

	1935				1936				1937				1938				1939			
	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate
Under 5 yrs.	4	2.4	5	3.0	10	5.9	6	3.6	11	6.5	6	3.6	5	2.9	6	3.6	12	7.0	1	0.
5 to 9 yrs.	6	3.4	4	2.3	2	1.1	2	1.1	4	2.1	4	2.2	4	1.0	5	2.8	5	2.7	3	1.
10 " 14 "	3	1.7	6	3.6	5	2.8	1	0.5	5	2.8	3	1.7	6	3.4	7	4.1	8	4.5	3	1.
15 " 19 "	7	4.1	5	3.0	6	3.4	5	2.9	6	3.3	5	2.9	7	3.9	4	2.3	3	1.6	3	1.
20 " 24 "	11	7.1	6	3.9	4	2.5	13	8.4	10	6.2	9	5.7	9	5.6	12	7.6	11	6.8	9	5.
25 " 29 "	8	5.6	22	16.3	9	6.1	10	7.2	13	8.8	19	13.6	14	9.4	14	10.0	12	8.0	13	9.
30 " 34 "	22	16.3	45	34.7	19	13.7	31	23.3	19	13.6	39	29.2	20	14.2	43	32.0	14	9.9	37	27.
35 " 39 "	41	31.1	64	50.5	31	22.9	66	50.7	35	25.7	63	48.1	32	23.4	77	58.5	29	21.1	56	42.
40 " 44 "	39	31.5	109	94.2	55	43.3	124	104.2	70	54.8	103	86.1	56	43.6	117	97.3	47	36.6	109	90.
45 " 49 "	103	91.9	163	158.5	83	71.4	173	163.9	108	92.4	162	152.6	99	84.2	174	163.2	101	93.2	157	146.
50 " 54 "	145	151.2	229	253.1	162	164.4	222	239.8	167	168.8	237	254.3	154	154.8	215	229.5	173	172.8	227	241.
55 " 59 "	201	272.8	257	368.0	202	277.3	262	364.5	219	288.0	258	357.0	186	243.3	290	399.2	227	295.4	266	384.
60 " 64 "	269	444.8	268	446.6	238	383.2	302	491.1	300	480.7	274	442.6	262	417.5	266	427.4	280	443.5	308	492.
65 " 69 "	294	607.7	294	603.4	326	656.1	320	640.0	319	638.9	305	607.1	333	663.4	320	633.6	308	609.6	315	619.
70 " 74 "	293	791.5	323	846.7	338	888.9	306	766.1	332	869.2	337	861.1	329	856.7	322	818.6	357	923.0	320	808.
75 " 79 "	275	1328.4	242	1132.9	295	1392.1	300	1376.1	297	1390.4	307	1394.0	315	1466.4	269	1215.4	303	1531.9	298	1343.
80 " 84 "	175	1801.1	135	1112.7	182	1832.2	162	1439.9	183	1826.3	150	1329.7	168	1668.2	160	1410.9	186	1732.4	170	1484.
85 " 89 "	48	1378.4	71	1602.9	63	1726.9	68	1491.1	61	1697.2	71	1500.3	74	2048.1	72	1513.5	74	1989.2	76	1630.
90 " +....	8	1454.5	14	988.0	20	1899.3	18	1198.4	13	1145.3	22	1510.9	10	876.4	16	1092.8	18	1682.2	25	1633.
Not stated.	....	......	....	......	....	......	....	......	1	......	....	......	....	......	....	......	3	......	....	.....
Total......	1952	106.5	2262	128.3	2050	109.0	2391	132.1	2173	114.9	2374	130.4	2083	109.5	2389	130.6	2171	113.5	2396	130.

CANCER

Table showing the distribution of deaths from various types according to class and rates per 100,000 of population as follows:

	1930		1931		1932		1933		1934		1935		1936		1937		1938		1939	
Buccal cavity...	124	3.7	183	5.3	155	4.4	192	5.4	172	4.8	167	4.6	131	3.5	166	4.4	157	4.2	154	4.1
Stomach.......	1200	36.2	1889	55.0	1979	56.9	2063	58.5	2092	59.7	2123	59.0	2250	59.7	2314	62.3	2227	59.5	2263	60.3
Peritoneum....	629	18.9																		
Female genital organs.......	400	12.3	367	10.7	398	11.4	439	12.4	490	13.7	471	13.0	471	12.7	488	13.1	516	14.0	471	12.5
Breast.........	415	12.5	389	11.3	415	11.9	407	11.5	401	11.2	424	11.7	525	14.2	464	12.5	496	13.2	532	14.1
Skin...........	87	2.6	104	3.0	85	2.4	72	2.0	84	2.3	87	2.4	99	2.6	89	2.3	83	2.2	94	2.5
Other or Unspecified.....	780	23.5	794	23.1	793	22.8	871	24.7	795	22.3	941	26.1	965	26.1	1026	27.6	993	26.6	1053	28.0
Total........	3635	107.2	3726	108.6	3825	110.0	4044	114.7	4034	113.2	4214	117.1	4441	120.3	4547	122.5	4472	119.8	4567	121.7

CANCER

Rates per 100,000 of population

	1935		1936		1937		1938		1939	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Buccal cavity..............	167	4.6	131	3.5	166	4.4	157	4.2	154	4.1
Digestive tract.............	2,123	59.0	2,250	59.7	2,314	62.3	2,227	59.5	2,263	60.3
Respiratory organs.........	156	4.3	170	4.6	204	5.4	190	5.0	209	5.5
Uterus.....................	353	9.8	343	9.2	356	9.5	381	10.2	341	9.0
Female genital organs........	118	3.2	128	3.4	132	3.5	135	3.6	130	3.4
Breast.....................	424	11.7	525	14.2	464	12.5	496	13.2	532	14.1
Male genito-urinary organs...	369	10.2	408	11.0	415	11.1	399	10.6	424	11.2
Skin.......................	87	2.4	99	2.6	89	2.3	83	2.2	94	2.5
Not specified organs.........	417	11.5	387	10.4	407	10.9	404	10.8	420	11.1
Total..................	4,214	117.1	4,441	120.3	4,547	122.5	4,472	119.8	4,567	121.7

CANCER

Rates per 100,000 of population

	1935				1936				1937			
	Male	Rate	Female	Rate	Male	Rate	Female	Rate	Male	Rate	Female	Rate
Buccal cavity	132	7.2	35	1.9	109	5.7	22	1.2	131	6.9	35	1.9
Digestive tract	1,119	61.0	1,004	56.9	1,181	62.8	1,069	59.0	1,247	64.9	1067	58.6
Respiratory organs	112	6.1	44	2.4	107	5.6	63	3.4	147	7.7	57	3.1
Uterus	......	....	353	20.0								
Female genital or-					......	.....	343	17.9	....	......	356	19.5
gans	....	....	118	6.6	......	.....	128	7.0	....	......	132	7.2
Breast	6	0.3	418	23.7	8	0.4	517	28.5	5	0.2	459	25.2
Male genito-urinary organs	369	20.1	....	.....	408	21.7	....	......	415	21.9	....	......
Skin	51	2.7	36	2.0	66	3.5	33	1.8	52	2.7	37	2.0
Not specified organs	163	8.8	254	14.4	171	9.0	216	11.9	176	9.3	231	12.6
Total	1,952	106.5	2,262	128.3	2,050	109.0	2,391	132.1	2,173	114.9	2,374	120.4

CANCER

Rates per 100,000 of population

	1938				1939			
	Male	Rate	Female	Rate	Male	Rate	Female	Rate
Buccal cavity	126	6.6	31	1.6	132	6.9	22	1.1
Digestive tract	1,200	63.1	1,027	56.1	1,217	63.6	1,046	56.8
Respiratory organs	128	6.7	62	3.3	156	8.1	53	2.8
Uterus	....	....	381	20.8	....	....	341	18.5
Female genital organs	....	....	135	7.3	....	....	130	7.0
Breast	2	0.1	494	27.0	6	0.3	526	28.5
Male genito-urinary organs	399	20.9	....	....	424	22.1	....	....
Skin	46	2.4	37	2.0	57	2.9	37	2.0
Not specified organs	182	9.5	222	12.1	179	9.3	241	13.0
Total	2,083	109.5	2,389	120.6	2,171	113.5	2,396	130.2

CANCER

The following table shows the difference in rates for the years 1919, 1929 and 1939:

	1919		1929		1939	
	No. of Deaths	Rate	No. of Deaths	Rate	No. of Deaths	Rate
Total	2,182	76.9	3,402	104.5	4,567	121.7
Buccal cavity	82	2.8	155	4.7	154	4.1
Stomach and liver	623	21.9	1,139	34.8	2,263	60.3
Peritoneum and intestines	305	10.7	627	19.2		
Female genital organs	181	6.3	355	10.8	471	12.5
Breast	128	4.5	333	10.2	532	14.1
Skin	58	2.0	75	2.3	94	2.5
Other organs	805	28.3	718	22.0	1053	28.0

DEATH RATES BY AGE GROUPS PER 100,000 POPULATION FROM CANCER

	1934-1938		1939	
	No. of Deaths	Rate	No. of Deaths	Rate
Under 30	429	4.3	83	4.8
30–39	788	29.6	136	24.0
40–49	2,125	91.7	414	79.6
50–59	4,199	250.3	893	212.8
60–69	5,783	522.8	1,211	439.4
70–79	6,008	838.5	1,278	711.4
80 and over	2,376	1,455.7	552	714.2

INFANT MORTALITY

Deaths of Children Under One Year—Stated Causes of Death

(A) Total Deaths

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	Mean
Total	5,260	4,833	4,133	3,804	3,523	3,515	3,416	3,382	3,245	2,979	3,809.0
1. Whooping cough	127	117	86	84	122	95	78	59	60	54	88.2
2. Influenza	85	130	102	108	49	88	72	131	65	70	90.0
3. Convulsions	57	55	39	32	34	29	32	22	26	15	34.1
4. Respiratory diseases	595	557	485	419	411	409	426	415	421	362	450.0
5. Diseases of digestive tract	989	815	509	544	507	337	381	411	336	264	509.3
6. Malformations	454	463	481	455	410	415	434	428	446	429	441.5
7. Diseases of early infancy	2,403	2,276	2,051	1,813	1,660	1,801	1,637	1,618	1,625	1,504	1,838.8
8. All others	550	420	380	349	330	341	356	298	266	281	357.1

(B) Rate Per 1,000 Living Births

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	Mean
Total	73.7	71.0	61.0	59.6	56.6	55.7	54.4	54.5	49.1	46.4	57.6
1. Whooping cough	1.8	1.6	1.2	1.3	1.9	1.5	1.2	0.9	0.9	0.8	1.3
2. Influenza	1.2	1.8	1.3	1.7	0.7	1.4	1.1	2.1	0.9	1.0	1.3
3. Convulsions	0.8	0.7	0.5	0.5	0.5	0.4	0.5	0.3	0.3	0.2	0.4
4. Respiratory diseases	8.3	8.0	7.2	6.5	6.6	6.4	6.8	6.7	6.4	5.6	6.8
5. Diseases of digestive tract	13.8	11.7	7.5	8.5	8.1	5.3	6.1	6.6	5.1	4.1	7.3
6. Malformations	6.4	8.4	7.1	7.1	6.6	6.6	6.9	6.9	6.8	6.6	6.8
7. Diseases of early infancy	33.7	32.8	30.6	28.5	26.9	28.6	26.2	26.2	24.7	23.4	28.1
8. All others	7.7	6.0	5.6	5.5	5.3	5.5	5.6	4.8	4.0	4.3	5.4

Of these infant deaths:

744 or 24.97 per cent. lived less than one day.
672 or 22.55 per cent. lived less than one week.
361 or 13.11 per cent. lived less than one month.
435 or 14.60 per cent. lived less than three months.
387 or 12.99 per cent. lived less than six months.
245 or 8.22 per cent. lived less than nine months.
135 or 4.53 per cent. lived less than one year.

INFANT MORTALITY IN CITIES, TOWNS AND VILLAGES OF 10,000 AND OVER. ONTARIO, 1935-1939.

Cities	Deaths Under 1 Year					Rate per 1000 Live Births				
	1935	1936	1937	1938	1939	1935	1936	1937	1938	1939
Belleville	25	31	18	24	32	63.3	72.0	47.2	48.6	66.9
Brantford	35	31	31	33	38	58.0	46.5	51.1	56.5	62.0
Chatham	35	28	29	59	32	66.2	48.4	43.0	77.2	41.5
Cornwall	32	50	52	29	35	53.3	88.8	89.5	47.3	56.6
Forest Hill	......	......	......	......	1	......	......	......	......	25.0
Fort William	29	27	14	21	24	54.6	55.6	27.8	39.3	47.1
Galt	16	10	7	14	10	57.5	37.4	23.7	43.6	35.3
Guelph	16	11	13	12	12	46.9	36.7	43.9	36.2	44.4
Hamilton	135	115	106	112	90	48.8	41.6	38.1	37.4	30.8
Kingston	29	46	34	50	40	42.2	68.2	46.9	66.2	51.0
Kirkland Lake	......	34	45	34	31	......	67.4	73.2	46.9	40.5
Kitchener	34	34	34	46	29	44.8	45.7	46.3	57.7	37.4
London	70	77	54	72	80	49.0	54.6	36.6	45.3	49.1
Niagara Falls	20	9	14	17	15	45.7	23.4	34.4	40.3	36.3
North Bay	18	28	27	28	17	46.1	71.4	70.1	67.3	38.6
Oshawa	22	31	31	29	17	42.0	59.1	58.0	49.8	33.7
Ottawa	286	267	255	191	163	94.0	84.8	85.4	60.8	53.3
Owen Sound	11	12	17	17	23	34.3	36.6	52.1	46.7	65.5
Pembroke	22	24	25	26	19	71.2	77.4	96.8	99.9	57.7
Peterborough	36	45	27	31	33	63.0	72.4	42.9	44.2	46.8
Port Arthur	13	21	20	40	40	24.8	38.8	35.3	61.6	63.6
St. Catharines	20	34	19	33	31	36.5	58.9	33.2	51.4	43.7
St. Thomas	18	17	10	18	8	60.6	58.4	33.7	43.9	18.1
Sarnia	22	22	22	21	22	51.8	50.8	52.6	42.9	48.4
Sault Ste. Marie	20	40	40	37	31	37.6	72.2	76.6	59.2	51.4
Stratford	23	9	18	14	16	65.7	25.8	48.6	32.9	41.5
Sudbury	55	73	80	74	81	62.8	74.5	68.6	55.8	55.8
Timmins	53	55	74	57	51	84.0	80.0	91.1	65.2	57.3
Toronto	538	527	472	500	438	51.3	50.6	49.9	47.5	67.4
Welland	13	18	15	18	17	42.8	57.5	48.3	49.4	46.4
Windsor	99	93	103	79	76	48.7	44.0	51.1	35.5	35.4
Woodstock	10	8	14	14	14	44.6	33.8	51.2	49.4	50.4

PUERPERAL

DEATHS FROM SPECIFIED PUERPERAL CAUSES PER 100 DEATHS FROM ALL PUERPERAL CAUSES BY AGES—1939

Total	10–49		10–14		15–19		20–24		25–29		30–34		35–39		40–44		45–49		55–59	
Total puerperal causes.	276	100.0	......		20	100.0	51	100.0	55	100.0	58	100.0	62	100.0	27	100.0	3	100.0		100.0
Abortion with septic condition...........	42	15.21	....		4	20.00	7	13.72	9	16.36	7	12.06	14	22.58	1	3.70	....		....	
Abortion without septic condition..........	10	3.62	....		....		3	5.88	3	5.45	2	3.44	....		2	7.40	....		....	
Ectopic gestation....	11	3.98	....		....		....		4	7.27	3	5.17	4	6.45	....		....		....	
Other accidents of pregnancy..............	4	1.44	....		1	5.00	1	1.96	....		1	1.72	....		1	3.70	....		....	
Puerperal hemorrhage.	38	13.76	....		2	10.00	4	7.84	7	12.72	12	20.68	6	9.67	5	18.51	2	66.66	....	
Puerperal septicemia...	50	18.11	....		4	20.00	13	25.49	9	16.36	8	13.79	11	17.74	5	18.51	....		....	
Puerperal albuminuria.	42	15.21	....		4	20.00	8	15.68	8	14.54	6	10.34	13	20.96	3	11.11	....		....	
Other toxemias of pregnancy.............	13	4.71	....		1	5.00	3	5.88	4	7.27	4	6.89		1.61	....		....		....	
Puerperal phlegmasia..	44	15.94	....		2	10.00	9	17.64	5	9.09	11	18.96	10	16.12	7	25.92	....		....	
Other accidents of childbirth..............	21	7.60	....		2	10.00	2	3.92	6	10.90	4	6.89	3	4.83	3	11.11	1	33.33	....	
Others or not specified.	1	0.36	....		....		1	1.96	....		....		....		....		....		....	

DEATHS FROM PUERPERAL CAUSES AND FROM ALL CAUSES OF FEMALE DEATHS

(Showing percent from Puerperal Causes)

Ages 1939	All Causes	Puerperal	% 1939	1930	1931	1932	1933	1934	1935	1936	1937	1938	Mean
10–14	153	......	....	....	....	....	1.36	0.66	0 65	....	0.68	.....	0.33
15–19	203	20	9.85	9 80	7.95	9.99	5.24	8.22	5.83	9 04	8.86	9 18	8.39
20–24	220	51	23.18	21.51	12.42	15.72	20 28	19.38	16.82	19 59	16.52	15 78	18.12
25–29	293	55	18.77	23 57	20.92	20.15	19.80	22.53	18.93	22.75	20.00	19 35	20.67
30–34	308	58	18.83	20.04	21.15	17.83	21.92	20.26	19.07	20.14	20.02	17 26	19.65
35–39	382	62	16.23	16.53	12.98	13.21	13.72	13.33	15.32	13.74	14.91	10 97	14.09
40–44	453	27	5.96	6 12	7.01	6.18	5.20	6.59	4.31	7.54	4.78	4.60	5.82
45–49	627	3	0.47	1.31	0.95	0.89	0.43	0.82	0 48	0.47	0.44	0 15	0.64
50–54	814	......	....	....	....	....	....	....	....	....	....	....	....
55–59	1008	......	....	....	....	....	....	....	....	....	....	0.95	....

NUMBER OF PUERPERAL DEATHS AND RATE PER 1,000 LIVING BIRTHS

	Province			Cities			Towns			Rural		
	Births	Deaths	Rate	Births	Deaths	Rate	Births	Deaths	Rate	Births	Deaths	Rate
1930...	71,263	440	6.2	34,380	242	7.0	6,456	37	5.7	30,380	161	5.3
1931...	69,209	372	5.4	33,217	213	6.4	5,998	49	8.1	29,994	110	3.6
1932...	66,842	343	5.0	33,018	208	6.3	4,178	36	8.6	29,646	99	3.3
1933...	63,646	346	5.4	31,107	203	6.5	4,114	25	6.0	28,425	118	4.1
1934...	62,234	348	5.6	30,309	210	6.9	3,876	27	6.9	28,049	111	3.9
1935...	63,069	313	4.9	31,700	246	7.7	3,943	24	6.0	27,426	43	1.5
1936...	62,451	355	5.6	32,425	211	6.5	4,044	24	5.9	25,982	120	4.6
1937...	61,645	319	5.1	32,420	195	6.0	4,164	30	7.2	25,051	94	3.7
1938...	65,564	251	3.8	35,194	155	4.4	4,542	26	5.7	25,828	70	2.7
1939...	64,123	276	4.4	34,780	179	3.9	4,557	22	4.8	24,780	75	3.0

MATERNAL MORTALITY, ONTARIO, 1939

Cities, Towns and Villages (5,000 population and over)	Total.		Institutional		Non-institutional	
	Live births	Deaths from puerperal causes	Live births	Deaths from puerperal causes	Live births	Deaths from puerperal causes
Barrie	246	1	205	1	41	...
Belleville	478	1	429	1	49	...
Brampton	207	...	197	...	10	...
Brantford	612	3	497	3	115	...
Brockville	268	3	262	2	6	1
Chatham	771	4	658	4	113	...
Cobourg	183	1	153	1	30	...
Collingwood	164	1	118	1	46	...
Cornwall	618	1	493	1	125	...
Dundas	26	...	...	...	26	...
Eastview	162	...	...	...	162	...
Forest Hill	4	...	...	...	4	...
Fort Erie	114	...	93	...	21	...
Fort Francis	157	1	32	1	125	...
Fort William	509	4	424	4	85	...
Galt	283	2	208	2	75	...
Guelph	270	3	217	3	53	...
Hamilton	2,913	18	2,435	17	478	1
Hawkesbury	227	...	79	...	148	...
Ingersoll	162	1	108	1	54	...
Kenora	243	...	231	...	12	...
Kingston	783	1	719	1	64	...
Kirkland Lake	765	2	467	2	298	...
Kitchener	774	5	629	5	145	...
Leamington	196	1	107	1	89	...
Lindsay	275	2	245	2	30	...
London	1,627	11	1,410	10	217	1
Midland	211	...	166	...	45	...
Mimico	105	...	71	...	34	...
New Toronto	55	...	3	...	52	...
Niagara Falls	413	2	348	2	65	...
North Bay	440	2	251	2	189	...
Orillia	283	5	206	5	77	...
Oshawa	503	7	335	7	168	...
Ottawa	3,053	13	2,616	12	437	1
Owen Sound	351	2	223	2	128	...
Pembroke	329	1	198	1	131	...
Peterborough	705	5	589	5	116	...
Port Arthur	628	3	600	3	28	...
Port Colborne	64	...	...	...	64	...
Preston	63	...	...	...	63	...
Renfrew	150	2	122	2	28	...
Riverside	41	...	...	...	41	...
St. Catharines	708	3	571	3	137	...
St. Thomas	440	2	414	2	26	...
Sarnia	454	2	381	2	73	...
Sault Ste. Marie	602	5	400	5	202	...
Simcoe	361	...	324	...	37	...
Smiths Falls	184	3	162	2	22	1
Stratford	385	2	334	2	51	...
Sudbury	1,450	6	964	6	486	...
Swansea	17	1	...	...	17	1
Thorold	86	...	54	...	32	...
Timmins	889	1	334	1	555	...
Toronto	10,238	56	8,688	52	1,550	4
Trenton	126	...	...	...	126	...
Waterloo	43	...	...	...	43	...
Welland	366	...	271	...	95	...
Weston	122	...	63	...	59	...
Whitby	16	...	...	...	16	...
Windsor	2,142	10	1,387	9	755	1
Woodstock	277	2	242	2	35	...
Total cities, towns and villages of 5,000 and over	39,337	201	30,733	190	8,604	11
Remainder of Province	24,786	75	6,225	29	18,561	46
Grand total	64,123	276	36,958	219	27,165	57

DEATHS OF WOMEN NOT CLASSIFIED TO PREGNANCY OR CHILD-BEARING BUT RETURNED AS ASSOCIATED THEREWITH, ONTARIO, 1939

Int. List No.	Causes of Death	Number
1	Typhoid fever	1
7	Measles	1
11	Influenza	8
23	Tuberculosis of the respiratory system	6
34	Syphilis	1
35	Gonococcus infection and other venereal diseases	1
46d	Cancer of the liver and biliary ducts	1
48a	Cancer of the uterus	1
53f	Cancer of the brain	1
59	Diabetes mellitus	1
60	Scurvy	1
92a	Endocarditis, specified as chronic, and other valvular diseases	2
93c	Chronic myocarditis and myocardial degeneration	1
94b	Embolism and thrombosis of the coronary arteries	1
95a	Functional diseases of the heart	1
108	Lobar pneumonia	8
109	Pneumonia, unspecified	1
115	Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetation)	2
122a	Hernia	1
122b	Intestinal obstructions	2
126	Biliary calculi	1
131	Chronic nephritis	2
173–175	Homicides	2
179	Other acute accidental poisonings (except by gas)	1
186	Accidental injury by fall, crushing or landslide	3
190	Excessive colds	1
	Total	52

SPECIAL CLASSES OF ACCIDENTAL DEATHS IN ONTARIO, 1939

(Included also under the numbers of the International List.)

Int. List No.	Cause of Death	Male	Female
	A.—Accidents in mines and quarries	38	..
178	Accidental absorption of toxic gases	4	..
182	Accidental mechanical suffocation	4	..
186	Accidental injury by fall, crushing or landslide	30	..
	B.—Accidents caused by machines	48	6
181	Accidental burns (conflagration excepted)	3	..
183	Accidental drowning	2	..
185	Accidental injury by cutting or piercing instruments	5	1
186	Accidental injury by fall, crushing or landside	31	5
193	Accidents due to electric currents	2	..
194	Other accidents	5	..
	C.—Railway accidents	70	9
178	Accidental absorption of toxic gases	1	..
182	Accidental mechanical suffocation	1	..
186	Accidental injury by fall, crushing or landslide	67	9
193	Accidents due to electric currents	1	..
	D.—Street car accidents	6	8
186	Accidental injury by fall, crushing or landslide	6	8
	E.—Automobile and motorcycle accidents	505	177
178	Accidental absorption of toxic gases	11	1
180	Conflagration	1	..
181	Accidental burns (conflagration excepted)	4	1
183	Accidental drowning	14	5
185	Accidental injury by cutting or piercing instruments	2	1
186	Accidental injury by fall, crushing or landslide	472	169
193	Accidents due to electric currents	1	..
	F.—Other land transportation	42	4
183	Accidental drowning	3	1
186	Accidental injury by fall, crushing or landside	37	3
194	Other accidents	2	..
	G.—Water transportation	70	3
180	Conflagration	1	..
183	Accidental drowning	66	3
186	Accidental injury by fall, crushing or landslide	1	..
190	Excessive cold	1	..
192	Lightning	1	..
	H.—Air transportation	18	..
181	Accidental burns (conflagration excepted)	1	..
183	Accidental drowning	1	..
186	Accidental injury by fall, crushing or landslide	16	..

VIOLENT OR ACCIDENTAL DEATHS (EXCLUDING SUICIDES)

RATES PER 100,000 OF POPULATION

	1930		1931		1932		1933		1934		1935		1936		1937		1938		1939	
Automobiles	517	15.29	574	16.72	497	14.30	416	11.80	528	14.81	571	15.87	564	15.28	774	20.85	677	18.14	682	18.17
Burns	117	3.46	117	3.41	124	3.56	114	3.23	115	3.22	109	3.03	113	3.06	103	2.77	107	2.86	81	2.15
Drowning	341	10.08	369	10.75	361	10.38	314	8.91	271	7.68	269	7.47	230	6.23	305	8.21	287	7.69	278	7.40
Falls	450	13.31	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....
Fractures	63	1.86	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....
Railroads	163	4.82	105	3.06	97	2.79	86	2.44	91	2.55	83	2.30	97	2.62	93	2.50	67	1.79	79	2.10
Other Accidents*	719	21.22	1228	35.78	1069	30.75	982	27.86	1170	32.83	1273	35.39	1872	50.73	1210	32.59	1256	33.66	1241	33.07

*Revised.

SUICIDES

In 1939 there were 357 suicides. The rate per 100,000 of population was 9.5, just 0.1 less than for 1938.

Of these, 272 or 76.19 were males and 85 or 23.80 females.

	Total		Under 20		20-39		40-59		60 and over	
	No.	%	No.	%	No.	%	No.	%	No.	%
Males....	272	100	4	1.47	73	26.83	119	43.74	76	27.94
Females..	85	100	4	4.70	29	34.11	39	45.88	13	15.29
Total ..	357	100	8	2.24	102	28.57	158	44.25	89	24.92

Method of suicide over a ten-year period is shown in the following table:

	Total	Rate	Poison	Gas	Hanging	Drowning	Shooting	Cutting	Jumping	Crushing	Others
1929	320	9.6	68	25	74	60	53	21	7	5	2
1930	404	11.9	02	38	90	50	70	33	12	4	2
1931	426	12.4	03	33	95	68	74	24	13	3	3
1932	423	12.2	192	53	74	66	92	29	23	4	....
1933	366	10.3	186	41	88	38	68	29	12	1	3
1934	360	10.1	90	31	61	55	71	32	11	4	5
1935	367	10.2	73	41	82	43	63	27	27	5	6
1936	398	10.7	68	33	90	65	79	25	23	6	9
1937	366	9.8	71	36	75	53	72	26	23	3	7
1938	360	9.6	71	41	81	46	64	21	26	5	5
1939	357	9.5	60	38	84	48	77	24	13	7	6

Table 1—General Summary of Births, Deaths and Marriages in the Province of Ontario by County Municipalities (including Cities, Towns, and Villages), 1939

COUNTIES	Estimated population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS									Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population
						All ages			Under 1 year		1-4 years		5 years and over					
		Total	M	F		Total	M	F	M	F	M	F	M	F				
Total	3,752,000	64,123	33,935	31,188	17.1	37,530	20,310	17,220	1,748	1,231	369	262	18,193	15,727	10.0	1,965	34,657	9.2
Addington	7500	115	53	62	15.3	55	29	26	...	2	...	..	29	24	7.3	4	43	5 7
Algoma	50650	1035	538	497	20.4	466	299	167	42	20	11	5	246	142	9.2	25	418	8 2
Brant	58530	947	496	451	16 1	680	346	334	28	24	7	5	311	305	11 6	30	504	8 6
Bruce	46150	713	378	335	15.4	473	252	221	19	15	4	2	229	204	10 2	16	352	7 6
Carleton	186100	3481	1761	1720	18.7	2087	1109	978	101	90	22	12	986	876	11.2	122	1914	10 2
Cochrane	63410	2289	1187	1102	36.0	540	348	192	98	62	13	12	237	118	8 5	68	781	12 3
Dufferin	16130	222	92	130	13.7	156	90	66	2	7	1	1	87	58	9 6	9	109	6 7
Dundas	17630	262	126	136	14.8	190	92	98	8	7	...	...	84	91	10 7	6	116	6 5
Durham	28,140	349	174	175	12.4	255	157	98	12	6	4	1	141	91	9 0	13	184	6 5
Elgin	47650	710	349	361	14.9	580	278	302	14	11	3	4	261	287	12.1	19	396	8.3
Essex	174840	3078	1537	1541	17.6	1286	717	569	71	46	14	10	632	513	7.3	81	1683	9.0
Frontenac	49900	986	535	451	19.7	702	377	325	32	17	6	4	339	304	14.0	35	515	7.3
Glengarry	20260	283	153	130	13.9	181	91	90	5	5	1	2	85	83	8.9	5	149	7.3
Grenville	18010	189	99	90	10.4	178	93	85	8	3	1	...	84	82	9 8	6	126	6 9
Grey	63030	983	521	462	15.5	700	361	339	23	19	5	3	333	317	11 1	43	456	7.2
Haldimand	23260	311	160	151	13.3	253	126	127	5	3	2	...	119	124	10.8	7	168	7.2
Haliburton	6380	138	72	66	21.1	61	36	25	4	5	...	...	32	20	9.5	2	33	5.1
Halton	28890	234	115	119	8.0	213	106	107	3	2	2	...	101	105	7.3	10	250	8.6
Hastings	64530	1276	657	619	19.7	721	372	349	46	43	6	6	320	300	11.1	40	612	9.4
Huron	49530	685	349	336	13.8	563	292	271	20	10	2	2	270	259	11.3	33	333	6.7
Kenora	24010	518	260	258	21.5	218	145	73	21	14	7	5	117	54	9.0	16	193	8 0
Kent	68660	1318	675	643	19.1	729	408	321	32	19	3	4	373	298	10.6	33	704	10 2
Lambton	59660	945	466	479	15.8	628	339	289	25	19	4	3	310	267	10.5	21	441	7.3
Lanark	36020	612	322	290	16.9	409	213	196	19	8	...	4	194	184	11 3	16	260	7.2
Leeds	38650	582	325	257	15.0	535	258	277	24	13	2	1	232	263	13.8	23	297	7.6
Lennox	13,130	138	79	59	10.5	126	62	64	3	4	1	...	58	60	9.5	...	98	7.4
Lincoln	59280	1002	495	507	16.8	587	320	267	28	20	6	1	286	246	9.9	23	575	9.6
Manitoulin	11630	274	133	141	23.5	133	77	56	17	9	3	...	57	47	11 4	8	86	7.3
Middlesex	129440	2052	1083	969	15.8	1757	948	809	58	39	15	11	875	759	18 8	59	1335	10 3
Muskoka	22890	404	188	216	17.6	235	134	101	14	5	3	...	117	96	10.2	15	201	8.7
Nipissing	45020	1178	624	554	26.1	333	201	132	44	25	7	3	150	104	7.3	40	364	8.0
Norfolk	34140	748	375	373	21.9	389	208	181	20	15	5	5	183	161	11.3	16	298	8.7
Northumberland	34520	499	235	264	14.4	404	213	191	12	10	2	5	199	176	11.7	13	245	7.0
Ontario	65290	825	409	416	12.6	650	347	303	17	15	3	2	327	286	9.9	29	503	7.7
Oxford	52150	952	483	469	18.2	661	367	294	20	21	6	1	341	272	12.6	34	481	9.2
Parry Sound	28140	647	312	335	22.9	260	161	99	18	15	5	6	138	78	9.2	14	210	7.4
Peel	30770	345	190	155	10.2	282	154	128	5	2	1	...	148	126	9.1	11	253	8.2
Perth	56280	779	403	376	13.8	595	309	286	17	14	2	8	290	264	10.5	32	417	7.4
Peterborough	48030	866	446	420	18.0	513	283	230	28	11	7	3	248	216	10.6	32	385	8.0
Prescott	27020	652	370	282	24 1	263	153	110	38	17	9	2	106	91	9.7	25	189	6.9
Prince Edward	18010	248	141	107	13 7	198	105	93	7	7	2	...	96	86	10.9	8	112	6.2
Rainy River	19140	460	242	218	24 0	135	92	43	8	9	4	1	80	33	7.0	7	93	4.8
Renfrew	57030	1059	552	507	27.8	554	303	251	30	22	6	9	267	220	9.7	40	382	6 6
Russell	20260	464	230	234	22.9	134	71	63	16	17	2	4	53	42	6.6	10	115	5 6
Simcoe	91550	1507	785	722	16.4	985	524	461	38	26	1	11	485	424	10.7	44	689	7.5
Stormont	35650	1023	531	492	34.5	395	213	182	30	23	8	4	175	155	11.0	28	337	9.4
Sudbury	63790	2375	1213	1162	37.2	573	369	204	88	49	15	9	266	146	8.9	80	785	12.3
Thunder Bay	71290	1406	756	650	19.7	601	376	225	46	34	7	5	323	186	8.4	34	762	10.6
Timiskaming	40520	1474	769	705	36.6	359	217	142	39	24	14	4	164	114	8.8	42	619	15 2
Victoria	28140	441	228	213	15.6	311	175	136	15	6	1	4	159	126	11.0	13	223	7.9
Waterloo	98300	1530	845	685	15.5	911	479	432	25	25	11	7	443	400	9.2	36	838	8.5
Welland	90420	1366	667	699	15.0	758	420	338	33	23	8	5	379	310	8.3	41	845	9 3
Wellington	63410	985	481	504	15.5	680	365	315	26	18	3	2	336	295	10.7	34	473	7 4
Wentworth	207860	3097	1598	1499	19.1	2061	1097	964	53	43	14	14	1030	907	9.9	108	1996	9.6
York	936880	13005	6641	6364	13.8	8823	4628	,195	293	213	78	50	4257	3932	9.4	405	9655	10.3
District of Patricia	4500	61	31	30	13.5	5	5	....	...	...	...	...	5	....	1.1	1	56	12 4

Table 2—Number of Births, Deaths and Marriages, and the ratio per 1,000 of population in each County (excluding Cities, Towns, and Villages of 5,000 population and over), Ontario, 1939

COUNTIES	Estimated population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS									Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population
						All ages			Under 1 year		1-4 years		5 years and over					
		Total	M	F		Total	M	F	M	F	M	F	M	F				
Total, including all municipalities	3,752,000	64,123	32,935	31,188	17.1	37,530	20,310	17,220	1,748	1,231	369	262	18,193	15,727	10.0	1,965	34,657	9.2
Total, excluding cities, towns and villages of 5,000 and over	1,880,563	24,786	12,708	12,078	13.1	15,884	8,762	7,122	727	490	133	103	7,902	6,529	8.4	715	11,599	6.1
Addington	7500	115	53	62	15.3	55	29	26	...	2	...	...	29	24	7.3	4	43	5.7
Algoma	26742	433	249	184	16.1	210	145	65	23	8	7	3	115	54	7.7	6	133	4.9
Brant	27033	335	176	159	12 3	255	124	131	7	7	2	1	115	123	9.4	9	131	4.8
Bruce	46150	713	378	335	15.4	473	252	221	19	15	4	2	229	204	10.2	16	352	7.6
Carleton	33672	266	125	141	7.9	237	129	108	10	7	1	...	118	101	7.0	7	221	6.5
Cochrane	37065	1400	729	671	37.7	346	229	117	67	42	10	6	152	69	9.3	44	373	10.0
Dufferin	16130	222	92	130	13.7	156	90	66	2	7	1	1	87	58	9.6	9	109	6.7
Dundas	17630	262	126	136	14.8	190	92	98	8	7	...	...	84	91	10.7	6	116	6 5
Durham	28140	349	174	175	12.4	255	157	98	12	6	4	1	141	91	9.0	13	184	6.5
Elgin	31157	270	129	141	8.6	327	160	167	9	8	2	1	149	158	10.4	9	210	6.7
Essex	60150	699	339	360	11.6	336	199	137	22	13	2	...	175	124	5.5	12	354	5.8
Frontenac	24108	203	110	93	8.4	215	127	88	7	2	3	...	117	86	8.9	4	90	3.7
Glengarry	20260	283	153	130	13.9	181	91	90	5	5	1	2	85	83	8.9	5	149	7.3
Grenville	18010	189	99	90	10.4	178	93	85	8	3	1	...	84	82	9.8	6	126	6.9
Grey	49351	632	332	300	12.8	486	256	230	9	10	1	1	246	219	5.7	27	299	6.0
Haldimand	23260	311	160	151	13.3	253	126	127	5	3	2	...	119	124	10.8	7	168	7.2
Haliburton	6380	138	72	66	21.1	61	36	25	4	5	...	...	32	20	9.5	2	33	5.1
Halton	28890	234	115	119	8.0	213	106	107	3	2	2	...	101	105	7.3	10	250	8.6
Hastings	42618	672	345	327	15.7	403	209	194	25	25	4	3	180	166	9.4	19	290	6.8
Huron	49530	685	349	336	13.8	563	292	271	20	10	2	2	270	259	11.3	33	333	6.7
Kenora	15431	275	140	135	17.8	116	81	35	10	8	6	5	65	22	22.5	7	87	5.6
Kent	51702	547	296	251	10.5	412	225	187	13	6	1	3	211	178	7.9	10	418	8.0
Lambton	41419	491	240	251	11.8	410	229	181	12	10	2	1	215	170	9.9	11	245	5.9
Lanark	28279	428	224	204	15.1	302	164	138	13	5	...	4	151	129	10.9	13	183	6.4
Leeds	28689	314	174	140	10.9	336	167	169	11	5	2	...	154	164	11.7	7	166	5.7
Lennox	13130	138	79	59	10.5	126	62	64	3	4	1	...	58	60	9.5	...	98	7.4
Lincoln	31552	294	129	165	9.3	265	151	114	12	5	3	...	136	109	8.3	6	218	6.9
Manitoulin	11630	274	133	141	23.5	133	77	56	17	9	3	...	57	47	11.4	8	86	7.3
Middlesex	53341	425	218	207	7.9	590	343	247	11	6	2	3	330	238	11.0	14	304	5.6
Muskoka	22890	404	188	216	17.6	235	134	101	14	5	3	...	117	96	10.2	15	201	8 7
Nipissing	29179	738	396	342	25.2	209	122	87	31	21	4	2	87	64	7.1	20	194	6.6
Norfolk	27887	387	198	189	13.8	253	134	119	11	5	2	3	121	111	9.0	3	200	7.1
Northumberland	28722	316	154	162	11.0	298	163	135	8	8	2	5	153	122	10.3	9	186	6.4
Ontario	34773	306	144	162	8.8	276	157	119	7	5	1	1	149	113	7.9	11	216	6.2
Oxford	35270	513	270	243	14.5	361	199	162	11	13	3	1	185	148	10.2	18	258	7.3
Parry Sound	28140	647	312	335	22.9	260	161	99	18	15	5	6	138	78	9.2	14	210	7.4
Peel	25075	138	77	61	5.5	193	106	87	2	2	1	...	103	85	7.6	6	187	7.4
Perth	39117	394	189	205	10.0	358	183	175	9	6	...	3	174	166	9.1	16	241	6.1
Peterborough	23859	161	93	68	6.7	180	99	81	5	1	1	...	93	80	7.5	5	102	4.2
Prescott	20817	425	235	190	20.4	184	101	83	26	15	5	2	70	66	8.8	16	147	7.0
Prince Edward	18010	248	141	107	13.7	198	105	93	7	7	2	...	96	86	10.9	8	112	6.2
Rainy River	13343	303	159	144	22.7	98	63	35	5	7	4	1	54	27	7.3	6	37	2.7
Renfrew	41250	580	323	257	14.0	282	151	131	16	9	1	4	134	118	6.8	24	229	5.5
Russell	20260	464	230	234	22.9	134	71	63	16	17	2	4	53	42	6.6	10	115	5.6
Simcoe	62118	603	319	284	9.7	521	286	235	23	10	...	4	263	221	8.3	19	370	5.9
Stormont	22077	405	212	193	18.3	151	80	71	10	8	...	...	70	63	6.8	10	74	3.3
Sudbury	34604	925	469	456	26.7	302	196	106	38	18	5	4	153	84	8.7	27	243	7 0
Thunder Bay	24250	269	136	133	11.0	121	90	31	9	7	3	2	78	22	4.9	10	104	4.2
Timiskaming	16462	709	357	352	43.0	223	133	90	21	11	6	3	106	76	13.5	19	281	17.0
Victoria	20899	166	93	73	7.9	165	84	81	3	3	1	2	80	76	7.8	3	128	6.1
Waterloo	35745	367	200	167	10.2	262	144	118	5	5	1	3	138	110	7.3	8	225	6.2
Welland	42875	323	152	171	7.5	235	135	100	8	5	2	2	125	93	5.4	10	227	5 2
Wellington	41592	715	351	364	17.2	477	263	214	19	13	1	2	243	199	11.4	25	199	4.7
Wentworth	47933	158	74	84	3 2	417	226	191	2	3	...	1	224	187	8.6	8	185	3.8
York	249967	2464	1267	1197	9.8	1403	730	673	36	26	9	9	685	638	5.6	70	1103	4.4
District of Patricia	4500	61	31	30	13.5	5	5	....	...	...	...	...	5	....	1.1	1	56	12.4

Table 3—General Summary of Births, Deaths and Marriages in the Province of Ontario for Cities, Towns, and Villages of 10,000 Population and Over, 1939

CITIES, TOWNS, AND VILLAGES	Estimated Population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS									Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population
						All ages			Under 1 year		1-4 years		5 years and over					
		Total	M	F		Total	M	F	M	F	M	F	M	F				
Total	1,673,431	34,780	17,928	16,852	20.7	19,130	10,207	8,923	911	655	221	141	9,075	8,127	11.4	1,111	20,809	12.4
Belleville	14678	478	252	226	32.5	263	138	125	18	14	1	2	119	109	17.9	20	194	13.2
Brantford	31497	612	320	292	19.4	425	222	203	21	17	5	4	196	182	13.4	21	373	11.8
Chatham	16958	771	379	392	45.4	317	183	134	19	13	2	1	162	120	18.7	23	286	16.8
Cornwall	13573	618	319	299	45.5	244	133	111	20	15	8	4	105	92	17.9	18	263	19.3
Forest Hill	11757	4	2	2	0.3	39	19	20	...	1	...	...	19	19	3.3	1	11	0 9
Fort William	25295	509	278	231	20.1	225	134	91	15	9	1	1	118	81	8.8	10	392	15.4
Galt	14286	283	157	126	19.8	189	90	99	6	4	3	1	81	94	13.2	11	131	9.1
Guelph	21818	270	130	140	12.3	203	102	101	7	5	2	...	93	96	9.3	9	274	12 5
Hamilton	154915	2913	1513	1400	18 8	1588	842	746	51	39	14	13	777	694	10.2	100	1758	11.3
Kingston	25792	783	425	358	30.3	487	250	237	25	15	3	4	222	218	18.8	31	425	16.4
Kirkland Lake	24058	765	412	353	31.8	136	84	52	18	13	8	1	58	38	5.6	23	338	14.0
Kitchener	33309	774	429	345	23.2	376	193	183	14	15	6	3	173	165	11.2	14	314	9.4
London	76099	1627	865	762	21.3	1167	605	562	47	33	13	8	545	521	15.3	45	1031	13.5
Niagara Falls	18770	413	209	204	22.0	208	103	105	9	6	2	1	92	98	11.0	10	196	10.4
North Bay	15841	440	228	212	27.7	124	79	45	13	4	3	1	63	40	7.8	20	170	10.7
Oshawa	24964	503	258	245	20.1	199	95	104	9	8	2	1	84	95	7.9	18	235	9.4
Ottawa	145183	3053	1565	1488	21 0	1811	965	846	89	74	21	11	855	761	12.4	107	1619	11.1
Owen Sound	13679	351	189	162	25 6	214	105	109	14	9	4	2	87	98	15.6	16	157	11.4
Pembroke	10429	329	163	166	31 9	186	111	75	12	7	5	4	94	64	17.8	13	105	10.0
Peterborough	24171	705	353	352	29.1	333	184	149	23	10	6	3	155	136	13.7	27	283	11.7
Port Arthur	21745	628	342	286	28.8	255	152	103	22	18	3	2	127	83	11.7	14	266	12.2
St. Catharines	27728	708	366	342	25.5	322	169	153	16	15	3	1	150	137	11.6	17	357	12.8
St. Thomas	16493	440	220	220	26.6	253	118	135	5	3	1	3	112	129	15.3	10	186	7.2
Sarnia	18241	454	226	228	24.8	218	110	108	13	9	2	2	95	97	11.9	10	196	10 7
Sault Ste. Marie	23908	602	289	313	25.1	256	154	102	19	12	4	2	131	88	10.7	19	285	11.9
Stratford	17163	385	214	171	22.4	237	126	111	8	8	2	5	116	98	13.8	16	176	10.2
Sudbury	29186	1450	744	706	49.6	271	173	98	50	31	10	5	113	62	9.2	53	542	18.5
Timmins	26345	889	458	431	33.7	194	119	75	31	20	3	6	85	49	7.3	24	408	15.4
Toronto	649123	10238	5232	5006	15.9	7122	3746	3376	255	183	68	40	3423	3153	10.9	323	8283	12.7
Welland	11205	366	182	184	32.6	164	99	65	11	6	4	2	84	57	14.6	10	170	15.1
Windsor	103644	2142	1073	1069	20.6	882	482	400	44	32	11	8	427	360	8.5	66	1223	11.8
Woodstock	11578	277	136	141	23.9	222	122	100	7	7	1	...	114	93	19.1	12	162	14 0

Table 4—General Summary of Births, Deaths and Marriages for Towns and Villages of 5,000 to 10,000 Population, in the Province of Ontario, 1939

TOWNS AND VILLAGES 5,000 to 10,000 population	Estimated Population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS									Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population
						All ages			Under 1 year		1-4 years		5 years and over					
		Total	M	F		Total	M	F	M	F	M	F	M	F				
Total	198,006	4,557	2,299	2,258	23.0	2,516	1,341	1,175	110	86	15	18	1,216	1,071	12.7	139	2,249	11.3
Barrie	8522	246	131	115	28.8	100	53	47	3	5	...	1	50	41	11.7	7	100	11.7
Brampton	5695	207	113	94	36.3	89	48	41	3	...	...	...	45	41	15.6	5	66	11.5
Brockville	9961	268	151	117	26.8	199	91	108	13	8	...	1	78	99	19.9	16	131	14.1
Cobourg	5798	183	81	102	31.5	106	50	56	4	2	...	...	46	54	18.2	4	59	10.1
Collingwood	5322	164	87	77	30.8	106	49	57	3	1	...	2	46	54	19.9	8	55	10.3
Dundas	5012	26	11	15	5.1	56	29	27	...	1	...	...	29	26	11.1	...	53	10.5
Eastview	7245	162	71	91	22.3	39	15	24	2	9	...	1	13	14	5 3	8	74	10.2
Fort Erie	6049	114	53	61	17.8	72	39	33	2	3	...	...	37	30	11 8	2	96	15.8
Fort Frances	5797	157	87	74	27.0	37	29	8	3	2	...	...	26	6	6 3	1	56	9.6
Hawkesbury	6203	227	135	92	36.5	79	52	27	12	2	4	...	36	25	12 7	9	42	6.7
Ingersoll	5302	162	77	85	30.5	78	46	32	2	1	2	..	42	31	14 7	4	61	11.5
Kenora	8579	243	120	123	28.3	102	64	38	11	6	1	...	52	32	11.8	9	106	11.3
Leamington	5811	196	100	96	33.7	50	24	26	5	...	1	...	18	26	8.6	3	83	14.2
Lindsay	7241	275	135	140	24.4	146	91	55	12	3	...	2	79	50	20 1	10	95	13.1
Midland	6500	211	103	108	32.4	80	49	31	3	2	1	3	45	26	12.3	2	51	7.8
Mimico	7194	105	55	50	20.8	40	18	22	1	1	...	...	17	21	5.5	7	62	8.6
New Toronto	7175	55	23	32	7.6	147	82	65	...	1	...	...	82	64	20.4	...	59	8.2
Orillia	9088	283	145	138	31.2	178	87	91	6	8	...	1	81	82	19.6	8	113	12 5
Port Colborne	6483	64	35	29	9.8	34	19	15	1	1	...	...	18	14	5.2	3	72	11.1
Preston	6337	63	37	26	9.9	35	21	14	...	...	...	...	21	14	5.5	1	65	10.2
Renfrew	5351	150	66	84	28.0	86	41	45	2	6	...	1	39	38	16.0	3	48	8.9
Riverside	5235	41	25	16	7.8	18	12	6	...	1	...	2	12	3	3.4	...	23	4.3
Simcoe	6253	361	177	184	57.7	136	74	62	9	10	3	2	62	50	21.7	13	98	15.6
Smiths Falls	7741	184	98	86	23.7	107	49	58	6	3	..	...	43	55	13.8	3	77	9 9
Swansea	6375	17	5	12	2.6	31	12	19	...	...	...	1	12	18	4 8	1	60	9.4
Thorold	5038	86	36	50	17.0	45	25	20	2	2	...	...	23	18	8.9	6	84	16.6
Trenton	7234	126	60	66	17.4	55	25	30	3	4	1	1	21	25	7.6	1	128	17.6
Waterloo	8623	43	22	21	4.9	49	31	18	...	1	1	..	30	17	5.6	2	103	11.9
Weston	5289	122	57	65	23.0	41	21	20	1	1	1	...	19	19	7 7	3	77	14.5
Whitby	5553	16	7	9	2.8	175	95	80	1	2	...	...	94	78	31.5	...	52	9 3

Table 5—General Summary of Births, Deaths and Marriages in the Province of Ontario for Towns and Villages of 1,000 Population and under 5,000—1939

Towns and Villages 1,000 and over and under 5,000	Estimated population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000	DEATHS									Ratio per 1,000	Still-births	Marriages	Ratio per 1,000
						All ages			Under 1 year		1-4 years		5 years and over					
		Total	M	F		Total	M	F	M	F	M	F	M	F				
Total	298150	7121	3678	3443	23.8	3806	2036	1770	193	133	36	22	1807	1615	12.7	234	3962	13.2
Acton	1916	12	5	7	6.2	21	13	8	1	...	...	...	12	8	10.9	1	23	12.0
Alexandria	1951	50	27	23	25.6	26	10	16	1	...	...	...	9	16	13.3	...	40	20.5
Alliston	1437	91	42	49	63.3	42	21	21	2	2	...	...	19	19	29.2	3	14	9.7
Almonte	2330	116	55	61	49.7	34	19	15	3	...	...	3	16	12	14.5	2	31	13.3
Amherstburg	2704	42	21	21	15.5	28	18	10	5	...	...	...	13	10	10.3	...	37	13.6
Arnprior	3903	38	24	14	9.7	32	19	13	2	...	...	1	17	12	8.1	5	39	9.9
Arthur	1032	8	2	6	7.7	20	11	9	1	3	...	...	10	6	19.3	...	25	24.2
Aurora	2821	8	5	3	2.8	20	8	12	...	...	1	1	7	11	7.0	...	32	11.3
Aylmer	1979	29	12	17	14.6	35	17	18	1	...	...	...	16	18	17.6	...	39	19.7
Bancroft	1012	87	50	37	85.9	17	7	10	1	3	1	...	5	7	16.7	5	51	50.3
Barry's Bay	1245	31	22	9	24.8	7	7	...	2	...	...	...	5	...	5.6	2	9	7.2
Beamsville	1186	26	14	12	21.9	17	11	6	1	...	...	...	10	6	14.3	...	25	21.0
Blenheim	1844	22	12	10	11.9	17	8	9	1	...	...	...	7	9	9.2	...	29	15.7
Blind River	2250	111	70	41	49.3	30	20	10	8	3	1	1	11	6	13.3	...	16	7.1
Bowmanville	3850	143	68	75	37.1	66	41	25	5	1	2	...	34	24	17.1	5	42	10.9
Bracebridge	2449	122	60	62	49.8	36	25	11	1	1	...	...	24	10	14.6	8	53	21.6
Brighton	1556	24	10	14	15.4	27	11	16	...	...	...	1	11	15	17.3	1	13	8.3
Burlington	3815	22	10	12	5.7	28	15	13	1	...	...	...	14	13	7.3	...	53	13.8
Cache Bay	1001	24	13	11	23.9	1	...	1	...	...	...	...	...	1	0.9	...	10	9.9
Caledonia	1425	18	9	9	12.6	12	7	5	...	...	...	...	7	5	8.4	...	15	10.5
Campbellford	2968	63	34	29	21.2	35	19	16	...	2	...	...	19	14	11.7	4	36	12.1
Capreol	1660	19	7	12	11.4	10	8	2	...	...	...	...	8	2	6.0	1	15	9.0
Cardinal	1576	33	17	16	20.9	17	9	8	2	1	...	...	7	7	10.7	...	21	13.3
Carleton Place	4143	34	18	16	8.2	40	25	15	1	1	...	...	24	14	9.6	...	46	11.1
Casselman	2899	21	11	10	7.2	17	5	12	1	3	...	...	4	9	5.8	...	22	7.5
Chesley	1743	40	20	20	22.9	22	10	12	...	...	...	...	10	12	12.6	1	28	16.0
Chesterville	1061	18	9	9	16.9	16	7	9	...	...	...	...	7	9	15.8	1	10	9.4
Chippawa	1172	5	3	2	4.2	8	4	4	...	...	...	...	4	4	6.8	...	9	7.6
Clinton	1879	86	46	40	45.7	40	20	20	5	...	1	...	14	20	21.2	5	35	18.6
Cobalt	2789	73	35	38	26.1	20	14	6	2	1	1	...	11	5	7.1	1	51	18.2
Cochrane	2907	138	71	67	47.4	52	34	18	3	5	1	1	30	12	17.8	2	35	12.0
Coniston	2163	43	25	18	19.8	2	...	2	...	1	...	...	...	1	0.9	1	24	11.0
Copper Cliff	3785	29	12	17	7.6	20	9	11	...	...	1	...	8	11	5.2	...	63	16.6
Delhi	2544	25	13	12	9.8	13	6	7	...	...	...	1	6	6	5.1	...	35	13.7
Deseronto	1300	18	6	12	13.8	15	10	5	...	...	...	...	10	5	11.5	...	13	10.0
Dresden	1592	26	13	13	16.3	21	14	7	1	1	...	...	13	6	13.1	...	28	17.5
Dryden	1728	127	61	66	73.4	33	23	10	3	4	3	...	17	6	19.0	2	40	23.1
Dunnville	3973	102	54	48	25.6	70	36	34	2	1	1	...	33	33	17.6	5	49	12.3
Durham	1854	70	39	31	37.7	34	14	20	1	1	...	...	13	19	18.3	2	17	9.1
Eganville	1033	15	12	3	14.5	13	8	5	...	...	...	...	8	5	12.5	1	22	21.2
Elmira	2068	10	4	6	4.8	25	16	9	...	...	...	...	16	9	12.0	...	13	6.2
Elora	1185	10	5	5	8.4	9	5	4	1	...	...	...	4	4	7.5	2	13	11.9
Essex	1848	20	9	11	10.8	21	8	13	...	...	...	...	8	13	11.3	...	42	22.7
Exeter	1654	48	26	22	29.0	26	12	14	...	...	...	1	12	13	15.7	3	13	7.8
Fergus	2696	96	43	53	35.6	50	24	26	1	3	...	...	23	23	18.5	6	17	6.3
Forest	1596	18	7	11	11.2	25	14	11	...	...	...	...	14	11	15.6	...	19	11.9
Gananoque	3628	56	36	20	15.4	47	25	22	1	1	1	...	23	21	12.9	2	53	14.6
Georgetown	2451	9	8	1	3.6	11	7	4	1	...	1	...	5	4	4.4	...	22	8.9
Geraldton	2378	124	67	57	52.1	8	5	3	3	1	...	...	2	2	3.3	3	48	20.1
Goderich	4484	118	63	55	26.3	84	44	40	3	2	...	...	41	38	18.7	3	41	9.1
Gravehurst	2193	52	25	27	23.7	19	12	7	2	...	1	...	9	7	8.6	...	31	14.1
Grimsby	1951	48	25	23	14.3	16	8	8	1	...	...	...	7	8	8.2	1	32	16.4
Hagersville	1369	44	25	19	32.1	13	5	8	...	...	...	...	5	8	9.4	...	23	16.8
Haileybury	2624	65	35	30	24.7	44	32	12	4	1	...	1	28	10	16.7	4	46	17.5
Hanover	3235	78	38	40	24.1	37	15	22	...	2	...	...	15	20	11.4	4	35	10.8
Harriston	1326	14	7	7	10.5	9	3	6	...	...	...	...	3	6	6.7	...	14	10.5
Harrow	1055	13	7	6	12.3	9	6	3	...	1	...	...	6	2	8.5	...	12	11.3
Havelock	1156	25	13	12	21.6	14	6	8	...	...	...	...	6	8	12.1	...	9	7.7
Hespeler	2966	22	14	8	7.4	27	11	16	...	1	...	...	11	15	9.1	...	77	25.9
Humberstone	2784	34	18	16	12.2	19	10	9	1	1	...	...	9	8	6.8	1	13	4.6
Huntsville	2764	83	35	48	30.0	29	12	17	1	1	...	...	11	16	10.4	5	51	18.4
Iroquois	1068	17	7	10	15.9	21	12	9	1	...	...	...	11	9	19.6	...	13	12.1
Iroquois Falls	1345	68	38	30	50.5	8	6	2	1	1	...	...	5	1	5.9	2	38	28.2
Kapuskasing	3495	148	73	75	42.3	29	16	13	10	3	1	1	5	9	8.2	4	36	10.2
Keewatin	1481	2	2	...	1.3	6	6	...	...	...	...	...	6	...	4.0	...	17	11.4
Kemptville	1223	11	7	4	8.9	16	7	9	...	...	...	...	7	9	13.0	1	11	8.9
Kincardine	2483	1	...	1	0.4	18	9	9	...	...	...	...	9	9	7.9	...	29	11.6
Kingsville	2460	26	16	10	10.5	17	8	9	...	...	...	...	8	9	6.9	2	36	14.6
Lakefield	1416	5	4	1	3.5	21	14	7	1	...	...	...	13	7	14.8	...	18	12.7
Listowell	2892	98	50	48	33.8	54	24	30	2	3	...	...	22	27	18.6	4	41	14.1
Little Current	1050	19	8	11	18.0	13	10	3	2	...	1	...	7	3	12.3	1	15	14.2
Long Branch	4258	28	15	13	6.5	16	9	7	1	1	...	...	8	6	3.7	3	52	12.2
Lucknow	1015	6	5	1	5.9	16	10	6	...	...	...	...	10	6	15.7	...	8	7.8
Madoc	1054	13	8	5	12.3	16	6	10	3	1	1	...	2	9	15.1	1	29	27.5
Markham	1170	32	18	14	27.3	11	5	6	...	...	...	...	5	6	9.4	...	11	9.4
Mattawa	2127	91	49	42	42.7	38	20	18	6	4	1	...	13	14	17.8	3	20	9.4
Meaford	2759	68	40	28	24.6	44	23	21	3	1	...	...	20	20	15.9	5	44	15.9
Merritton	2747	16	6	10	5.8	13	6	7	1	...	...	...	5	7	4.7	1	16	5.8
Milton	1903	38	19	19	19.9	27	10	17	...	...	...	...	10	17	14.1	2	22	11.5
Mitchell	1666	6	2	4	3.6	27	11	16	...	1	...	...	11	15	16.2	...	15	9.0
Morrisburg	1555	18	10	8	11.5	22	13	9	2	...	...	...	11	9	14.1	...	21	13.5
Mount Forest	1909	63	29	34	33.0	32	21	11	...	1	...	...	21	10	16.7	2	28	14.6
Napanee	3234	57	31	26	17.6	44	18	26	1	3	...	...	17	23	13.6	...	45	13.9
New Hamburg	1443	14	6	8	9.7	13	9	4	...	...	...	...	9	4	9.0	...	10	6.9
New Liskeard	2985	71	38	33	23.7	19	6	13	...	...	1	...	5	13	6.7	1	56	18.7

Table 5—General Summary of Births, Deaths and Marriages in the Province of Ontario for Towns and Villages of 1,000 Population and under 5,000, 1939—Continued

Towns 1,000 and over and under 5,000	Estimated population	BIRTHS (Exclusive of stillbirths)			Ratio per 1,000	DEATHS									Ratio per 1,000	Still-births	Marriages	Ratio per 1,000
						All ages			Under 1 year		1-4 years		5 years and over					
		Total	M	F		Total	M	F	M	F	M	F	M	F				
Newmarket	3916	157	70	87	40.0	70	43	27	1	1	1	...	41	26	17.8	4	33	8.4
Niagara	1764	38	11	27	21.5	22	12	10	...	...	...	...	12	10	12.4	...	30	17.0
Norwich	1306	60	30	30	45.9	23	9	14	...	...	...	...	9	14	17.6	2	15	11.4
Oakville	3869	37	19	18	9.5	21	11	10	...	...	1	...	10	10	5.4	3	55	14.2
Orangeville	2608	92	38	54	35.2	52	28	24	1	4	...	...	27	20	19.9	7	32	12.2
Palmerston	1393	44	20	24	31.5	21	11	10	...	...	...	...	11	10	15.0	1	4	2.8
Paris	4409	93	52	41	21.0	64	28	36	1	2	1	...	26	34	14.5	1	49	11.1
Parkhill	1022	6	4	2	5.8	10	9	1	...	...	...	...	9	1	9.7	...	21	20.5
Parry Sound	3657	236	110	126	64.5	80	49	31	6	8	3	4	40	19	21.8	7	64	17.4
Penetanguishene	4846	105	54	51	21.6	48	22	26	5	3	...	...	17	23	9.9	6	37	7.6
Perth	4197	161	88	73	38.3	86	37	49	7	1	...	...	30	48	20.4	9	54	12.8
Petrolia	2772	150	76	74	54.1	74	40	34	3	4	...	...	37	30	26.6	6	40	14.4
Picton	3582	170	96	74	47.4	71	39	32	3	4	1	...	35	28	19.8	5	49	23.6
Point Edward	1199	11	6	5	9.1	7	5	2	1	...	...	...	4	2	5.8	...	17	14.1
Port Credit	1876	19	13	6	10.1	10	3	7	...	...	...	...	3	7	5.3	...	44	23.4
Port Dalhousie	1595	7	3	4	4.3	10	7	3	...	...	...	...	7	3	6.2	...	22	13.7
Port Dover	1864	33	21	12	17.7	25	9	16	1	1	...	...	8	15	13.4	...	19	10.1
Port Elgin	1374	29	11	18	21.1	19	11	8	...	...	...	...	11	8	13.8	...	13	9.4
Port Hope	4812	108	57	51	22.4	62	42	20	3	3	...	...	39	17	12.8	6	59	12.2
Port Perry	1142	24	17	7	21.0	18	9	9	2	...	...	...	7	9	15.7	1	10	8.7
Prescott	2925	32	14	18	10.9	36	18	18	2	1	1	...	15	17	12.3	...	49	16.7
Rainy River	1314	77	39	38	58.5	23	11	12	1	3	1	...	9	9	17.5	1	15	11.4
Richmond Hill	1295	14	8	6	10.8	17	8	9	...	...	...	...	8	9	13.1	1	28	21.6
Ridgetown	1981	18	10	8	9.0	37	20	17	2	...	...	...	18	17	18.6	1	35	17.6
Rockcliffe Park	1302	1	1	....	0.7	6	3	3	...	...	...	...	3	3	4.6	...	2	1.5
Rockland	2120	55	30	25	25.9	14	9	5	3	...	...	2	6	3	6.0	...	16	7.5
St. Mary's	4005	46	28	18	11.4	47	23	24	...	...	...	...	23	24	11.7	4	35	8.7
Seaforth	1771	79	43	36	44.6	51	22	29	6	1	...	1	16	27	28.7	4	17	9.5
Shelburne	1018	37	12	25	36.3	13	6	7	1	1	...	...	5	6	12.7	1	14	13.7
Sioux Lookout	1933	81	49	32	41.9	30	20	10	3	1	...	...	17	9	15.5	2	30	15.5
Southampton	1515	23	8	15	15.1	13	8	5	...	1	...	...	8	4	8.5	...	14	9.2
Stayner	1013	21	13	8	20.7	12	8	4	...	...	...	...	8	4	11.8	...	26	25.6
Stouffville	1194	52	23	29	43.5	28	12	16	...	1	...	...	12	15	23.4	...	11	9.2
Strathroy	2806	127	72	55	45.2	94	57	37	2	2	...	1	55	34	33.4	4	46	16.3
Sturgeon Falls	4832	159	89	70	32.8	65	35	30	8	8	2	...	25	22	13.4	7	48	9.9
Tavistock	1080	4	2	2	3.7	10	5	5	...	...	...	...	5	5	9.2	...	8	7.4
Tecumseh	2273	44	26	18	19.3	12	7	5	1	1	...	...	6	4	5.2	...	26	11.4
Thessalon	1719	64	30	34	37.2	24	15	9	1	2	...	...	14	7	13.9	2	17	9.8
Tilbury	1989	26	11	15	13.0	20	9	11	1	...	...	...	8	11	10.0	...	41	20.6
Tillsonburg	4376	245	127	118	55.9	100	54	46	7	9	3	1	44	36	22.8	12	77	17.5
Tweed	1246	24	12	12	19.2	15	10	5	1	...	...	...	9	5	12.0	...	18	14.4
Uxbridge	1516	30	18	12	19.7	18	11	7	...	...	...	...	11	7	11.8	1	18	11.8
Vankleek Hill	1498	34	22	12	22.6	26	14	12	5	...	...	...	9	12	17.3	4	25	16.6
Walkerton	2550	108	60	48	42.3	70	38	32	2	1	1	...	35	31	27.4	3	37	14.5
Wallaceburg	4783	76	38	38	15.8	28	12	16	1	...	...	1	11	15	3.1	2	69	14.4
Waterford	1284	11	4	7	5.4	21	11	10	...	...	...	...	11	10	16.3	...	28	21.8
Wiarton	1760	30	14	16	17.0	20	8	12	1	2	...	...	7	10	11.3	1	46	26.1
Winchester	1059	18	5	13	16.9	20	9	11	...	...	...	...	9	11	18.8	...	20	18.8
Wingham	2149	93	46	47	43.2	46	27	19	1	1	...	...	26	18	21.4	2	29	13.4

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1939

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Ontario	**64123**	**5331**	**4919**	**5911**	**5452**	**5698**	**5495**	**5766**	**5515**	**5320**	**5185**	**4645**	**4886**
Rural	17665	1528	1394	1632	1540	1546	1541	1588	1556	1490	1366	1199	1285
Urban	46458	3803	3525	4279	3912	4152	3954	4178	3959	3830	3819	3446	3601
Addington	115	12	10	17	7	12	9	8	9	12	8	5	6
Rural	115	12	10	17	7	12	9	8	9	12	8	5	6
Algoma	1035	69	78	93	88	98	92	91	93	99	81	81	72
Rural	258	15	20	18	27	24	23	28	25	22	23	16	17
Urban	777	54	58	75	61	74	69	63	68	77	58	65	55
Sault Ste. Marie, c	602	37	43	54	48	53	53	50	60	58	48	54	44
Blind River, t	111	10	9	16	8	11	9	9	7	11	8	5	8
Thessalon, t	64	7	6	5	5	10	7	4	1	8	2	6	3
Brant	947	89	80	91	79	68	74	85	86	85	63	74	73
Rural	242	28	14	27	13	21	14	24	22	22	11	27	19
Urban	705	61	66	64	66	47	60	61	64	63	52	47	54
Brantford, c	612	49	57	61	52	44	51	52	56	56	49	39	46
Paris, t	93	12	9	3	14	3	9	9	8	7	3	8	8
Bruce	713	62	49	76	60	67	57	60	71	74	47	39	51
Rural	476	41	29	56	40	51	39	37	42	48	27	29	37
Urban	237	21	20	20	20	16	18	23	29	26	20	10	14
Chesley, t	40	6	2	3	3	....	5	4	5	5	2	2	3
Kincardine, t	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Southampton, t	23	5	3	2	.....	1	1	4	2	1	.....	3	1
Walkerton, t	108	3	12	10	9	9	8	9	18	11	10	3	6
Wiarton, t	30	4	3	2	3	3	3	3	.....	4	2	1	2
Lucknow, vl	6	.....	.....	.....	1	1	1	.....	1	1	.....	.....	1
Port Elgin, vl	29	3	.....	3	4	2	.....	3	3	4	5	1	1
Carleton	3481	294	271	357	298	293	300	286	283	280	291	270	258
Rural	265	23	22	30	25	24	19	26	19	14	27	14	22
Urban	3216	271	249	327	273	269	281	260	264	266	264	256	236
Ottawa, c	3053	259	232	306	258	252	273	250	256	252	254	243	218
Eastview, t	162	12	17	21	15	17	8	9	8	14	10	13	18
Rockcliffe Park, vl	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Cochrane	2289	192	160	218	207	204	201	212	192	176	178	171	178
Rural	1046	97	75	87	109	90	102	104	74	90	74	75	69
Urban	1243	95	85	131	98	114	99	108	118	86	104	96	109
Cochrane, t	138	8	6	18	12	9	12	19	11	10	13	10	10
Iroquois Falls, t	68	5	3	6	4	10	9	6	5	4	9	2	5
Kapuskasing, t	148	19	11	12	16	13	10	9	12	11	13	13	9
Timmins, t	889	63	65	95	66	82	68	74	90	61	69	71	85
Dufferin	222	17	15	21	19	15	18	16	14	25	18	22	22
Rural	93	7	5	8	11	11	5	9	5	11	2	8	11
Urban	129	10	10	13	8	4	13	7	9	14	16	14	11
Orangeville, t	92	7	8	11	6	4	10	1	5	10	14	9	7
Shelburne, vl	37	3	2	2	2	.....	3	6	4	4	2	5	4
Dundas	262	23	15	28	22	19	26	36	15	18	22	16	22
Rural	191	18	12	23	16	12	20	22	12	13	16	13	14
Urban	71	5	3	5	6	7	6	14	3	5	6	3	8
Chesterville, vl	18	2	1	1	2	1	2	2	.....	2	2	1	2
Iroquois, vl	17	.....	.....	.....	4	1	3	3	2	.....	2	2	.....
Morrisburg, vl	18	1	2	2	.....	2	1	3	1	3	1	.....	2
Winchester, vl	18	2	.....	2	.....	3	.....	6	.....	.....	1	.....	4
Durham	349	34	27	26	27	30	34	34	28	25	27	31	26
Rural	98	13	11	5	5	6	8	14	6	7	10	6	7
Urban	251	21	16	21	22	24	26	20	22	18	17	25	19
Bowmanville, t	143	14	9	10	10	13	17	13	10	12	11	10	14
Port Hope, t	108	7	7	11	12	11	9	7	12	6	6	15	5
Elgin	710	60	59	60	67	49	60	78	62	54	62	47	52
Rural	241	19	19	21	20	16	21	27	24	20	16	14	24
Urban	469	41	40	39	47	33	39	51	38	34	46	33	28
St. Thomas, c	440	38	39	34	44	29	34	49	37	32	45	31	28
Aylmer, t	29	3	1	5	3	4	5	2	1	2	1	2	.....
Essex	3078	275	242	281	256	243	262	279	254	271	264	234	217
Rural	554	47	55	53	41	47	59	51	50	40	45	35	31
Urban	2524	228	187	228	215	196	203	228	204	231	219	199	186
Windsor, c	2142	195	170	196	180	166	173	193	165	201	179	169	155
Amherstburg, t	42	2	3	5	3	7	4	2	5	2	5	3	1
Essex, t	20	3	.....	2	.....	1	3	2	1	.....	3	2	3
Kingsville, t	26	1	3	1	2	2	4	4	3	2	1	1	2
Leamington, t	196	14	7	16	19	13	13	19	21	16	23	19	16
Riverside, t	41	7	1	5	5	1	3	3	4	3	2	3	4
Tecumseh, t	44	5	3	3	5	6	2	2	3	6	5	2	2
Harrow, vl	13	1	.....	.....	1	.....	1	3	2	1	1	.....	3
Frontenac	986	70	81	90	80	70	88	93	89	77	93	66	89
Rural	203	19	16	19	11	11	21	18	25	15	24	9	15
Urban	783	51	65	71	69	59	67	75	64	62	69	57	74
Kingston, c	783	51	65	71	69	59	67	75	64	62	69	57	74
Glengarry	283	17	30	25	22	20	23	25	36	15	31	24	15
Rural	233	12	26	17	20	17	16	23	31	14	21	21	15
Urban	50	5	4	8	2	3	7	2	5	1	10	3	.....
Alexandria, t	50	5	4	8	2	3	7	2	5	1	10	3	.....

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Grenville	189	10	13	17	18	21	16	22	17	20	12	14	9
Rural	113	5	5	9	11	14	9	15	11	11	9	10	4
Urban	76	5	8	8	7	7	7	7	6	9	3	4	5
Prescott, t	32	1	3	3	4	4	2	4	3	3	1	1	3
Cardinal, vl	33	3	5	3	2	3	4	1	2	6	.....	2	2
Kemptville, vl	11	1	.....	2	1	.....	1	2	1	.....	2	1	.....
Grey	983	78	77	83	84	86	91	82	81	83	89	68	81
Rural	416	31	30	32	38	35	40	31	34	35	37	34	39
Urban	567	47	47	51	46	51	51	51	47	48	52	34	42
Owen Sound, c	351	28	36	31	24	25	37	34	33	30	31	17	25
Durham, t	70	8	3	5	5	8	7	6	3	6	9	4	6
Hanover, t	78	5	6	11	9	7	1	9	1	8	6	8	7
Meaford, t	68	6	2	4	8	11	6	2	10	4	6	5	4
Haldimand	311	30	25	37	20	32	21	36	20	18	24	19	29
Rural	147	14	10	19	11	13	9	16	12	7	12	9	15
Urban	164	16	15	18	9	19	12	20	8	11	12	10	14
Dunnville, t	102	11	10	14	6	9	7	13	4	3	10	6	9
Caledonia, vl	18	.....	1	1	1	2	1	2	1	3	.....	3	3
Hagersville, vl	44	5	4	3	2	8	4	5	3	5	2	1	2
Haliburton	138	17	10	12	11	10	13	10	12	12	12	9	10
Rural	138	17	10	12	11	10	13	10	12	12	12	9	10
Halton	234	15	17	25	15	16	22	21	20	16	28	20	19
Rural	116	9	9	10	6	5	12	9	10	12	18	10	6
Urban	118	6	8	15	9	11	10	12	10	4	10	10	13
Burlington, t	22	2	2	3	2	4	1	3	.....	.....	3	1	1
Georgetown, t	9	.....	.....	1	.....	.....	4	2	.....	.....	2	.....	.....
Milton, t	38	2	4	3	3	4	2	4	6	.....	2	1	7
Oakville, t	37	1	2	4	3	2	3	3	3	3	1	8	4
Acton, vl	12	1	.....	4	1	1	.....	.....	1	1	2	.....	1
Hastings	1276	107	96	116	112	119	105	117	127	98	103	86	90
Rural	530	42	41	50	51	51	43	56	57	30	38	36	35
Urban	746	65	55	66	61	68	62	61	70	68	65	50	55
Belleville, c	478	44	37	39	38	36	45	41	46	41	41	35	35
Deseronto, t	18	3	2	3	.....	2	1	1	1	3	.....	.....	2
Trenton, t	126	10	8	14	9	16	4	11	9	15	18	5	7
Bancroft, vl	87	5	7	6	9	13	8	6	12	4	2	9	6
Madoc, vl	13	1	.....	2	1	1	1	.....	.....	2	3	1	1
Tweed, vl	24	2	1	2	4	.....	3	2	2	3	1	.....	4
Huron	685	69	43	63	60	66	54	55	74	46	65	52	38
Rural	261	30	20	23	22	27	19	20	30	20	24	14	12
Urban	424	39	23	40	38	39	35	35	44	26	41	38	26
Clinton, t	86	10	3	6	7	9	6	6	8	5	10	11	5
Goderich, t	118	11	7	10	7	9	9	14	11	9	14	12	5
Seaforth, t	79	5	6	5	9	6	10	10	9	4	5	8	2
Wingham, t	93	10	6	12	10	10	8	3	13	2	7	6	6
Exeter, vl	48	3	1	7	5	5	2	2	3	6	5	1	8
Kenora	518	58	31	58	54	52	39	48	32	45	39	26	36
Rural	65	7	6	12	12	10	2	3	1	4	3	3	2
Urban	453	51	25	46	42	42	37	45	31	41	36	23	34
Dryden, t	127	18	5	12	9	15	13	11	9	12	15	5	3
Keewatin, t	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Kenora, t	243	28	10	29	18	21	16	30	17	21	16	12	25
Sioux Lookout, t	81	5	10	4	15	6	8	4	5	8	5	6	5
Kent	1318	115	96	131	123	121	114	108	101	98	119	94	98
Rural	379	36	32	32	38	35	36	34	25	30	36	21	24
Urban	939	79	64	99	85	86	78	74	76	68	83	73	74
Chatham, c	771	70	49	76	73	70	58	67	64	56	67	59	62
Blenheim, t	22	1	3	3	2	2	1	1	1	1	3	1	3
Dresden, t	26	2	.....	3	2	3	3	1	.....	4	3	5	.....
Ridgetown, t	18	.....	2	3	2	2	3	1	2	.....	.....	2	1
Tilbury, t	26	1	2	1	3	4	2	2	1	1	4	2	3
Wallaceburg, t	76	5	8	13	3	5	11	2	8	6	6	4	5
Lambton	945	81	82	84	83	74	75	86	70	80	70	67	93
Rural	312	35	29	28	22	20	31	29	24	29	21	15	29
Urban	633	46	53	56	61	54	44	57	46	51	49	52	64
Sarnia, c	454	33	35	43	52	32	29	39	33	39	33	38	48
Forest, t	18	4	3	1	1	3	1	.....	2	.....	3	.....	.....
Petrolia, t	150	8	14	11	7	17	13	18	11	11	12	14	14
Point Edward, vl	11	1	1	1	1	2	1	.....	.....	1	1	.....	2
Lanark	612	58	47	52	59	49	56	46	68	49	62	34	32
Rural	117	18	11	9	10	9	7	6	17	9	7	4	10
Urban	495	40	36	43	49	40	49	40	51	40	55	30	22
Almonte, t	116	8	11	13	12	10	14	7	10	3	13	6	9
Carleton Place, t	34	3	6	4	4	.....	3	.....	1	2	6	4	1
Perth, t	161	15	7	9	15	13	15	18	17	16	18	10	8
Smiths Falls, t	184	14	12	17	18	17	17	15	23	19	18	10	4
Leeds	582	51	33	37	58	65	56	58	52	48	40	44	40
Rural	258	25	17	17	28	25	23	26	24	23	15	18	17
Urban	324	26	16	20	30	40	33	32	28	25	25	26	23
Brockville, t	268	23	14	18	20	34	26	25	23	21	22	21	21
Gananoque, t	56	3	2	2	10	6	7	7	5	4	3	5	2
Lennox	138	4	12	12	9	21	17	10	14	15	6	7	11
Rural	81	1	5	5	6	14	11	8	9	10	2	4	6
Urban	57	3	7	7	3	7	6	2	5	5	4	3	5
Napanee, t	57	3	7	7	3	7	6	2	5	5	4	3	5

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Lincoln	1002	100	74	96	73	81	88	92	84	81	89	71	73
Rural	159	7	10	17	12	15	19	17	13	14	17	8	10
Urban	843	93	64	79	61	66	69	75	71	67	72	63	63
St. Catharines, c	708	80	56	57	53	50	59	60	57	58	68	57	53
Grimsby, t	48	7	4	4	2	3	5	7	6	4	1	1	4
Merritton, t	16	1	....	5	....	4	1	2	1	....	1	....	1
Niagara, t	38	2	2	7	2	7	2	3	5	1	1	4	2
Beamsville, vl	26	3	2	3	3	2	2	1	1	4	1	1	3
Port Dalhouse, vl	7	....	....	3	1	....	....	2	1	....	....	....	....
Manitoulin	274	33	17	24	26	24	31	16	31	25	17	17	13
Rural	255	31	16	23	23	21	31	15	29	25	16	16	9
Urban	19	2	1	1	3	3	....	1	2	....	1	1	4
Little Current, t	19	2	1	1	3	3	....	1	2	....	1	1	4
Middlesex	2052	165	154	181	176	187	182	178	175	165	174	160	155
Rural	292	28	17	26	23	28	31	24	27	26	20	22	20
Urban	1760	137	137	155	153	159	151	154	148	139	154	138	135
London, c	1627	129	130	143	137	146	138	138	137	130	145	132	122
Parkhill, t	6	1	....	1	....	....	....	....	1	....	1	....	2
Strathroy, t	127	7	7	11	16	13	13	16	10	9	8	6	11
Muskoka	404	35	26	35	36	37	36	35	38	33	34	30	29
Rural	147	13	9	11	12	14	15	10	16	12	19	10	6
Urban	257	22	17	24	24	23	21	25	22	21	15	20	23
Bracebridge, t	122	13	5	12	10	12	12	11	6	6	13	9	13
Gravenhurst, t	52	3	1	5	7	5	4	3	7	10	....	3	4
Huntsville, t	83	6	11	7	7	6	5	11	9	5	2	8	6
Nipissing	1178	114	99	117	98	128	93	89	106	81	99	85	69
Rural	464	46	39	44	37	44	37	40	42	36	40	33	26
Urban	714	68	60	73	61	84	56	49	64	45	59	52	43
North Bay, c	440	47	40	38	36	54	33	30	45	26	31	35	25
Cache Bay, t	24	1	1	6	3	....	2	2	1	4	2	1	1
Mattawa, t	91	4	7	11	8	13	5	4	7	9	8	8	7
Sturgeon Falls, t	159	16	12	18	14	17	16	13	11	6	18	8	10
Norfolk	748	72	61	58	67	64	78	67	45	58	63	51	64
Rural	318	29	35	22	22	30	30	26	22	27	29	23	23
Urban	430	43	26	36	45	34	48	41	23	31	34	28	41
Simcoe, t	361	37	22	33	41	27	41	29	17	27	28	23	36
Delhi, vl	25	5	2	....	1	2	2	4	1	2	3	3	....
Port Dover, vl	33	1	2	2	3	4	5	4	3	1	3	2	3
Waterford, vl	11	....	....	1	....	1	....	4	2	1	....	....	2
Northumberland	499	22	36	56	49	33	53	50	44	46	38	38	34
Rural	229	10	15	24	17	10	31	23	24	26	16	18	15
Urban	270	12	21	32	32	23	22	27	20	20	22	20	19
Campbellford, t	63	4	3	10	5	4	6	5	5	6	5	5	5
Cobourg, t	183	6	15	18	22	17	14	22	13	13	17	12	14
Brighton, vl	24	2	3	4	5	2	2	....	2	1	....	3	....
Ontario	825	78	65	90	69	85	68	67	62	65	53	55	68
Rural	252	22	23	26	23	23	19	23	19	18	13	20	23
Urban	573	56	42	64	46	62	49	44	43	47	40	35	45
Oshawa, c	503	47	35	49	44	54	46	40	38	41	36	30	43
Uxbridge, t	30	3	1	5	2	4	....	2	2	4	3	4	....
Whitby, t	16	4	....	5	....	2	2	....	2	1	....	....	....
Port Perry, vl	24	2	6	5	....	2	1	2	1	1	1	1	2
Oxford	952	81	64	88	70	98	102	92	82	71	84	62	58
Rural	204	23	14	18	18	16	28	20	16	22	12	8	9
Urban	748	58	50	70	52	82	74	72	66	49	72	54	49
Woodstock, c	277	19	18	28	27	23	25	23	24	17	36	15	22
Ingersoll, t	162	11	9	18	10	24	19	16	12	12	14	11	6
Tillsonburg, t	245	22	17	18	14	29	23	22	24	16	21	23	16
Norwich, vl	60	6	6	6	1	6	6	9	6	4	1	4	5
Tavistock, vl	4	....	....	....	....	....	1	2	....	....	....	1	....
Parry Sound	647	56	59	61	41	64	55	62	42	61	41	46	59
Rural	411	42	41	44	28	41	34	35	24	40	20	25	37
Urban	236	14	18	17	13	23	21	27	18	21	21	21	22
Parry Sound, t	236	14	18	17	13	23	21	27	18	21	21	21	22
Peel	345	27	44	26	27	25	28	27	30	36	28	20	27
Rural	119	6	16	11	9	7	13	8	13	11	8	6	11
Urban	226	21	28	15	18	18	15	19	17	25	20	14	16
Brampton, t	207	18	28	15	15	16	14	17	15	24	19	11	15
Port Credit, vl	19	3	....	....	3	2	1	2	2	1	1	3	1
Perth	779	44	54	80	74	69	66	71	69	62	63	63	64
Rural	244	17	17	28	20	24	19	19	19	24	19	19	19
Urban	535	27	37	52	54	45	47	52	50	38	44	44	45
Stratford, c	385	19	29	43	39	35	34	37	33	27	30	27	32
Listowell, t	98	5	7	8	14	6	8	11	10	5	10	8	6
Mitchell, t	6	....	....	....	1	2	....	1	....	1	....	1	....
St. Mary's, t	46	3	1	1	....	2	5	3	7	5	4	8	7
Peterborough	866	71	57	79	71	93	70	89	83	57	67	54	75
Rural	131	16	10	13	13	16	11	7	12	9	7	5	12
Urban	735	55	47	66	58	77	59	82	71	48	60	49	63
Peterborough, c	705	54	45	63	55	75	59	78	67	46	55	49	59
Havelock, vl	25	1	1	3	3	2	....	3	4	2	4	....	2
Lakefield, vl	5	....	1	....	....	....	....	1	....	....	1	....	2

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prescott	652	45	60	63	51	47	61	63	53	58	61	47	43
Rural	391	26	38	42	30	29	30	39	30	34	40	28	25
Urban	261	19	22	21	21	18	31	24	23	24	21	19	18
Hawkesbury, t	227	15	20	18	18	17	26	20	22	22	17	18	14
Vankleek Hill, t	34	4	2	3	3	1	5	4	1	2	4	1	4
Prince Edward	248	21	22	22	20	16	13	23	25	28	18	21	19
Rural	78	11	7	4	5	4	3	8	6	10	4	8	8
Urban	170	10	15	18	15	12	10	15	19	18	14	13	11
Picton, t	170	10	15	18	15	12	10	15	19	18	14	13	11
Rainy River	460	36	45	44	44	44	38	45	37	32	32	33	30
Rural	226	15	22	14	24	26	20	23	20	13	12	22	15
Urban	234	21	23	30	20	18	18	22	17	19	20	11	15
Fort Frances, t	157	13	16	21	10	11	13	10	12	15	14	9	13
Rainy River, t	77	8	7	9	10	7	5	12	5	4	6	2	2
Renfrew	1059	86	82	96	100	101	93	94	102	91	68	73	73
Rural	496	33	36	40	56	54	46	43	46	44	29	37	32
Urban	563	53	46	56	44	47	47	51	56	47	39	36	41
Arnprior, t	38	6	1	3	1	3	3	7	2	2	3	6	1
Pembroke, t	329	32	25	30	28	26	30	29	37	29	23	18	22
Renfrew, t	150	12	15	19	9	12	11	13	13	14	11	8	13
Barry's Bay, vl	31	2	4	4	4	5	1	....	1	1	1	4	4
Eganville, vl	15	1	1	....	2	1	2	2	3	1	1	....	1
Russell	464	38	32	36	38	43	35	45	35	44	43	29	46
Rural	388	32	28	30	36	33	30	36	32	37	35	21	38
Urban	76	6	4	6	2	10	5	9	3	7	8	8	8
Rockland, t	55	4	4	5	2	7	3	5	2	5	6	6	6
Casselman, vl	21	2	....	1	....	3	2	4	1	2	2	2	2
Simcoe	1507	126	114	126	134	131	123	139	114	147	117	120	116
Rural	386	37	28	30	39	39	31	31	24	39	32	30	26
Urban	1121	89	86	96	95	92	92	108	90	108	85	90	90
Alliston, t	91	3	4	5	11	5	9	15	8	10	10	6	5
Barrie, t	246	20	17	23	16	22	29	19	23	18	20	15	24
Collingwood, t	164	18	13	19	10	11	9	18	9	17	16	14	10
Midland, t	211	21	17	18	21	15	12	19	19	22	11	19	17
Orillia, t	283	16	28	24	22	26	21	29	23	28	19	23	24
Penetanguishene, t	105	10	4	7	14	10	10	5	8	9	8	13	7
Stayner, t	21	1	3	....	1	3	2	3	....	4	1	....	3
Stormont	1023	88	93	102	77	93	84	100	81	84	89	68	64
Rural	405	36	40	49	29	32	26	43	31	28	38	25	28
Urban	618	52	53	53	48	61	58	57	50	56	51	43	36
Cornwall, t	618	52	53	53	48	61	58	57	50	56	51	43	36
Sudbury	2375	178	156	205	197	193	227	227	217	184	189	210	192
Rural	834	60	55	81	80	55	87	76	76	56	73	71	64
Urban	1541	118	101	124	117	138	140	151	141	128	116	139	128
Sudbury, c	1450	110	98	116	108	129	130	143	135	120	109	132	120
Capreol, t	19	1	....	....	3	1	2	1	2	2	....	3	4
Coniston, t	43	4	....	4	4	5	6	4	3	5	6	1	1
Coppercliff, t	29	3	3	4	2	3	2	3	1	1	1	3	3
Thunder Bay	1406	97	130	125	123	144	119	111	113	126	107	105	106
Rural	145	12	22	4	13	20	7	10	11	15	12	6	13
Urban	1261	85	108	121	110	124	112	101	102	111	95	99	93
Fort William, c	509	35	48	52	43	50	40	38	43	45	34	42	39
Port Arthur, c	628	44	55	60	57	63	61	50	54	54	46	43	41
Geraldton, vl	124	6	5	9	10	11	11	13	5	12	15	14	13
Timiskaming	1474	131	100	126	112	117	117	126	153	151	133	92	116
Rural	500	43	34	45	40	43	42	44	61	54	42	28	24
Urban	974	88	66	81	72	74	75	82	92	97	91	64	92
Cobalt, t	73	6	4	7	6	6	5	9	5	6	1	7	11
Haileybury, t	65	7	1	4	3	3	5	8	8	8	7	4	7
New Liskeard, t	71	8	1	7	9	5	2	4	10	3	7	7	8
Kirkland Lake	765	67	60	63	54	60	63	61	69	80	76	46	66
Victoria	441	36	36	41	25	52	32	33	48	29	41	35	33
Rural	166	19	12	14	9	19	10	12	20	9	18	13	11
Urban	275	17	24	27	16	33	22	21	28	20	23	22	22
Lindsay, t	275	17	24	27	16	33	22	21	28	20	23	22	22
Waterloo	1530	143	136	150	113	147	110	127	121	137	126	112	108
Rural	321	30	26	39	30	27	22	24	20	27	26	22	28
Urban	1209	113	110	111	83	120	88	103	101	110	100	90	80
Galt, c	283	25	28	27	15	30	23	28	28	17	21	20	21
Kitchener, c	774	71	67	65	58	77	52	61	60	78	67	65	53
Elmira, t	10	2	3	1	....	....	1	....	1	1	....	....	1
Hespeler, t	22	....	2	5	....	1	1	....	2	6	3	2	....
Preston, t	63	7	5	6	6	4	3	9	3	7	8	3	2
Waterloo, t	43	7	4	5	3	6	5	4	5	1	1	....	2
New Hamburg, vl	14	1	1	2	1	2	3	1	2	....	....	....	1
Welland	1366	116	99	130	109	111	106	138	110	143	119	87	98
Rural	284	28	16	31	26	20	26	20	27	27	17	21	25
Urban	1082	88	83	99	83	91	80	118	83	116	102	66	73
Niagara Falls, c	413	32	31	38	33	33	37	46	31	46	32	26	28
Welland, c	366	24	36	28	27	31	21	44	23	46	39	22	25
Fort Erie, t	114	14	5	12	8	11	7	11	9	10	13	8	6
Port Colborne, t	64	6	5	4	3	5	7	4	6	5	7	3	9
Thorold, t	86	7	2	13	7	6	5	12	12	6	8	5	3
Chippawa, vl	5	1	2	1	1	....	....	....	....	....	....	....	....
Humberstone, vl	34	4	2	3	4	5	3	1	2	3	3	2	2

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Wellington	985	79	77	95	93	80	68	84	108	76	55	81	89
Rural	480	36	38	47	51	42	25	42	49	41	27	42	40
Urban	505	43	39	48	42	38	43	42	59	35	28	39	49
Guelph, c	270	18	23	27	23	22	28	21	35	15	11	20	27
Harriston, t	14	4	1	1	.....	1	.....	1	1	.....	2	2	1
Mount Forest, t	63	9	3	5	5	5	5	8	4	8	1	5	5
Palmerston, t	44	3	3	3	3	7	2	5	5	2	4	3	4
Arthur, vl	8	1	.....	2	.....	.....	.....	.....	.....	1	1	2	1
Elora, vl	10	.....	.....	1	2	.....	2	.....	1	1	2	.....	1
Fergus, vl	96	8	9	9	9	3	6	7	13	8	7	7	10
Wentworth	3097	241	221	279	253	276	279	281	259	264	261	229	254
Rural	158	9	18	12	13	14	15	8	20	16	14	8	11
Urban	2939	232	203	267	240	262	264	273	239	248	247	221	243
Hamilton, c	2913	229	202	259	239	259	261	273	238	245	246	220	242
Dundas, t	26	3	1	8	1	3	3	.....	1	3	1	1	1
York	13005	1062	1006	1168	1143	1189	1110	1187	1118	1042	1018	923	1039
Rural	2173	187	172	202	186	184	185	202	187	186	169	137	176
Urban	10832	875	834	966	957	1005	925	985	931	856	849	786	863
Toronto, c	10238	829	780	914	903	953	874	925	891	808	796	741	824
Aurora, t	8	.....	1	.....	.....	1	2	2	.....	1	.....	.....	1
Long Branch, t	28	4	2	3	3	2	1	2	2	2	.....	3	4
Mimico, t	105	8	9	10	8	9	11	8	11	7	11	8	5
Newmarket, t	157	12	18	16	18	15	11	16	8	9	13	12	9
New Toronto, t	55	6	9	6	5	1	3	9	1	3	6	4	2
Weston, t	122	10	8	7	9	13	14	12	7	14	11	8	9
Forest Hill, vl	4	.....	.....	1	.....	1	.....	.....	1	.....	1	.....	.....
Markham, vl	32	2	1	4	3	3	1	4	3	4	3	3	1
Richmond Hill, vl	14	1	1	1	2	1	.....	2	2	2	.....	1	1
Stouffville, vl	52	1	5	1	5	5	6	5	5	4	7	3	5
Swansea, vl	17	2	.....	3	1	1	2	.....	.....	2	1	3	2
District of Patricia	61	3	1	2	5	6	7	6	10	4	4	8	5

Table 7—Total Live Births and Live Births in Institutions, Showing the Number of Mothers Non-resident in the Province of Ontario, 1939

	ALL LIVE BIRTHS		IN INSTITUTIONS	
	Total	Mothers non-resident in Province	Total	Mothers non-resident in Province
Total for the Province	64,123	316	36,958	272

Table 8—Births (exclusive of Stillbirths) to Resident and Non-Resident Mothers, and Births in Institutions, in the Cities, Towns, and Villages of Ontario of 5,000 Population and over, 1939.

Cities, Towns, and Villages	ALL BIRTHS				BIRTHS IN INSTITUTIONS				BIRTHS ELSEWHERE THAN IN INSTITUTIONS			
	Total	Resident mothers	Mothers non-resident in city, town, or village where birth occurred and		Total	Resident mothers	Mothers non-resident in city, town, or village where birth occurred and		Total	Resident mothers	Mothers non-resident in city, town, or village where birth occurred and	
			Resident in Province	Non-resident in Province			Resident in Province	Non-resident in Province			Resident in Province	Non-resident in Province
Cities:												
Belleville........	478	244	233	1	429	196	232	1	49	48	1	......
Brantford.......	612	484	128	....	497	372	125	....	115	112	3	......
Chatham........	771	318	452	1	658	220	437	1	113	98	15	......
Fort William.....	509	388	121	....	424	307	117	....	85	81	4	......
Galt............	283	209	74	....	208	144	64	....	75	65	10	......
Guelph..........	270	179	91	....	217	127	90	....	53	52	1	......
Hamilton........	2,913	2,416	492	5	2,435	1,947	483	5	478	469	9	......
Kingston........	783	491	291	1	719	428	290	1	64	63	1	......
Kitchener.......	774	543	231	....	629	399	230	....	145	144	1	......
London.........	1,627	1,205	421	1	1,410	1,003	406	1	217	202	15	......
Niagara Falls....	413	294	118	1	348	239	108	1	65	55	10	......
North Bay......	440	322	112	6	251	150	98	3	189	172	14	3
Oshawa.........	503	428	75	....	335	265	70	....	168	163	5	......
Ottawa..........	3,053	2,350	564	139	2,616	1,922	560	134	437	428	4	5
Owen Sound.....	351	243	107	1	223	140	83	....	128	103	24	1
Peterborough....	705	481	223	1	589	367	221	1	116	114	2	......
Port Arthur.....	628	374	253	1	600	351	248	1	28	23	5	......
St. Catharines...	708	492	215	1	571	380	191	....	137	112	24	1
St. Thomas......	440	246	194	....	414	224	190	....	26	22	4	......
Sarnia..........	454	329	124	1	381	259	121	1	73	70	3	......
Sault Ste. Marie..	602	492	109	1	400	309	90	1	202	183	19	......
Stratford........	385	210	175	....	334	162	172	....	51	48	3	......
Sudbury.........	1,450	1,085	362	3	964	625	337	2	486	460	25	1
Toronto.........	10,238	7,817	2,394	27	8,688	6,320	2,343	25	1,550	1,497	51	2
Welland.........	366	196	170	....	271	105	166	....	95	91	4	......
Windsor.........	2,142	1,768	369	5	1,387	1,026	356	5	755	742	13	......
Woodstock......	277	167	110	....	242	136	106	....	35	31	4	......
Towns:												
Barrie...........	246	146	100	....	205	115	90	....	41	31	10	......
Brampton.......	207	75	132	....	197	65	132	....	10	10	....	......
Brockville.......	268	153	111	4	262	147	111	4	6	6	....	......
Cobourg.........	183	95	86	2	153	66	85	2	30	29	1	......
Collingwood.....	164	91	73	....	118	52	66	....	46	39	7	......
Cornwall........	618	416	190	12	493	294	187	12	125	122	3	......
Dundas.........	26	25	1	....	....	....	....	....	26	25	1	......
Eastview........	162	160	2	....	....	....	....	....	162	160	2	......
Fort Erie........	114	82	31	1	93	62	30	1	21	20	1	......
Fort Francis.....	157	123	34	....	32	19	13	....	125	104	21	......
Hawkesbury.....	227	174	33	20	79	29	32	18	148	145	1	2
Ingersoll.........	162	105	57	....	108	62	46	....	54	43	11	......
Kenora..........	243	151	88	4	231	139	88	4	12	12	....	......
Leamington......	196	120	76	....	107	45	62	....	89	75	14	......
Lindsay.........	275	114	161	....	245	86	159	....	30	28	2	......
Midland.........	211	123	88	....	166	81	85	....	45	42	3	......
Mimico.........	105	49	56	....	71	15	56	....	34	34	....	......
New Toronto....	55	47	8	....	3	....	3	....	52	47	5	......
Orillia...........	283	162	121	....	206	97	109	....	77	65	12	......
Pembroke.......	329	195	112	22	198	78	100	20	131	117	12	2
Port Colborne....	64	60	3	1	....	....	....	....	64	60	3	1
Preston.........	63	43	20	....	....	....	....	....	63	43	20	......
Renfrew.........	150	79	69	2	122	54	66	2	28	25	3	......
Riverside........	41	40	....	1	....	....	....	....	41	40	....	1
Simcoe..........	361	130	230	1	324	95	228	1	37	35	2	......
Smiths Falls.....	184	121	63	....	162	101	61	....	22	20	2	......
Thorold.........	86	68	18	....	54	36	18	....	32	32	....	......
Timmins........	889	819	69	1	334	279	55	....	555	540	14	1
Trenton.........	126	123	3	....	....	....	....	....	126	123	3	......
Waterloo........	43	43	....	....	....	....	....	....	43	43	....	......
Weston.........	122	53	69	....	63	15	48	....	59	38	21	......
Whitby.........	16	16	....	....	....	....	....	....	16	16	....	......
Villages:												
Forest Hill.....	4	3	1	....	....	....	....	....	4	3	1	......
Kirkland Lake...	765	638	119	8	467	344	115	8	298	294	4	......
Swansea.........	17	16	1	....	....	....	....	....	17	16	1	......

Table 9—Births (exclusive of Stillbirths) Classified as Legitimate or Illegitimate and as Single or Plural by Sex, for Cities, Towns, and Villages of 5,000 and over, 1939

Province, Cities, Towns, and Villages	Total births			Legitimate			Illegitimate			Single births			Twin births			Triplets		
	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
Total for the Province	32935	31188	64123	31475	29764	61239	1460	1424	2884	32292	30580	62872	637	599	618	6	9	5
Cities, Towns, and Villages of 5,000 and over:																		
Barrie	131	115	246	126	109	235	5	6	11	131	115	246	......	......	......	......	......	......
Belleville	252	226	478	236	222	458	16	4	20	239	221	460	13	5	9	......	......	......
Brampton	113	94	207	111	92	203	2	2	4	104	93	197	9	1	5	......	......	......
Brantford	320	292	612	307	278	585	13	14	27	312	284	596	8	8	8	......	......	......
Brockville	151	117	268	146	114	260	5	3	8	147	113	260	4	4	4	......	......	......
Chatham	379	392	771	366	381	747	13	11	24	374	378	752	3	13	8	2	1	1
Cobourg	81	102	183	77	93	170	4	9	13	77	100	177	4	2	3	......	......	......
Collingwood	87	77	164	84	74	158	3	3	6	83	77	160	4	......	2	......	......	......
Cornwall	319	299	618	303	286	589	16	13	29	312	290	602	7	9	8	......	......	......
Dundas	11	15	26	10	15	25	1	......	1	11	15	26	......	......	......	......	......	......
Eastview	71	91	162	71	91	162	......	......	......	69	85	154	2	6	4	......	......	......
Forest Hill	2	2	4	2	2	4	......	......	......	2	2	4	......	......	......	......	......	......
Fort Erie	53	61	114	53	60	113	......	1	1	52	60	112	1	1	1	......	......	......
Fort Francis	83	74	157	81	70	151	2	4	6	79	72	151	4	2	3	......	......	......
Fort William	278	231	509	272	228	500	6	3	9	275	220	495	3	11	7	......	......	......
Galt	157	126	283	155	124	279	2	2	4	152	117	269	5	9	7	......	......	......
Guelph	130	140	270	125	136	261	5	4	9	125	135	260	5	5	5	......	......	......
Hamilton	1,513	1,400	2,913	1,426	1,311	2,737	87	89	176	1,481	1,368	2,849	32	32	32	......	......	......
Hawkesbury	135	92	227	119	77	196	16	15	31	133	92	225	2	......	1	......	......	......
Ingersoll	77	85	162	76	84	160	1	1	2	74	84	158	3	1	2	......	......	......
Kenora	120	123	243	115	120	235	5	3	8	117	120	237	3	3	3	......	......	......
Kingston	425	358	783	398	333	731	27	25	52	422	354	776	*3	4	4	......	......	......
Kirkland Lake	412	353	765	392	340	732	20	13	33	410	349	759	2	4	3	......	......	......
Kitchener	429	345	774	404	336	740	25	9	34	420	341	761	9	1	5	......	3	1
Leamington	100	96	196	97	94	191	3	2	5	97	95	192	3	1	2	......	......	......
Lindsay	135	140	275	128	135	263	7	5	12	133	138	271	2	2	2	......	......	......
London	865	762	1,627	800	686	1,486	65	76	141	850	759	1,609	15	3	9	......	......	......
Midland	103	108	211	96	103	199	7	5	12	101	108	209	2	......	1	......	......	......
Mimico	55	50	105	52	49	101	3	1	4	55	50	105	......	......	......	......	......	......
New Toronto	23	32	55	22	32	54	1	......	1	21	32	53	2	......	1	......	......	......
Niagara Falls	209	204	413	204	201	405	5	3	8	206	201	407	3	3	3	......	......	......
North Bay	228	212	440	215	200	415	13	12	25	224	206	430	4	6	5	......	......	......
Orillia	145	138	283	138	128	266	7	10	17	142	131	273	3	7	5	......	......	......
Oshawa	258	245	503	254	235	489	4	10	14	256	237	493	2	8	5	......	......	......
Ottawa	1,565	1,488	3,053	1,451	1,353	2,804	114	135	249	1,528	1,463	2,991	37	25	31	......	......	......
Owen Sound	189	162	351	180	153	333	9	9	18	181	160	341	8	2	5	......	......	......
Pembroke	163	166	329	153	162	315	10	4	14	160	161	321	3	5	4	......	......	......
Peterborough	353	352	705	337	344	681	16	8	24	347	348	695	6	4	5	......	......	......
Port Arthur	342	286	628	327	260	587	15	26	41	340	282	622	2	4	3	......	......	......
Port Colborne	35	29	64	34	29	63	1	......	1	35	29	64	......	......	......	......	......	......
Preston	37	26	63	37	26	63	......	......	......	37	26	63	......	......	......	......	......	......
Renfrew	66	84	150	65	82	147	1	2	3	65	81	146	1	3	2	......	......	......
Riverside	25	16	41	25	15	40	......	1	1	23	16	39	2	......	1	......	......	......
St. Catharines	366	342	708	349	326	675	17	16	33	361	339	700	5	3	4	......	......	......
St. Thomas	220	220	440	203	213	416	17	7	24	211	211	422	9	9	9	......	......	......

Sarnia	226	228	454	220	220	440	6	8	14	222	226	448	4	2	3	......	......	......
Sault Ste. Marie	289	313	602	276	300	576	13	13	26	282	310	592	7	3	5	......	......	......
Simcoe	177	184	361	171	176	347	6	8	14	176	183	359	1	1	1	......	......	......
Smith's Falls	98	86	184	95	80	175	3	6	9	98	86	184	......	......	......	......	......	......
Stratford	214	171	385	207	169	376	7	2	9	213	166	379	1	5	3	......	......	......
Sudbury	744	706	1,450	700	672	1,372	44	34	78	724	696	1,420	20	10	15	......	......	......
Swansea	5	12	17	5	12	17	......	......	......	3	12	15	2	......	1	......	......	......
Thorold	36	50	86	34	49	83	2	1	3	35	49	84	1	1	1	......	......	......
Timmins	458	431	889	448	413	861	10	18	28	415	426	871	13	5	9	......	......	......
Toronto	5,232	5,006	10,238	4,884	4,674	9,558	348	332	680	5,131	4,900	10,031	100	104	102	1	2	1
Trenton	60	66	126	58	64	122	2	2	4	59	65	124	1	1	1	......	......	......
Waterloo	22	21	43	22	19	41	......	2	2	22	21	43	......	......	......	......	......	......
Welland	182	184	366	178	177	355	4	7	11	179	179	358	3	5	4	......	......	......
Weston	57	65	122	57	62	119	......	3	3	55	65	120	2	......	1	......	......	......
Whitby	7	9	16	7	7	14	......	2	2	7	9	16	......	......	......	......	......	......
Windsor	1,073	1,069	2,142	1,018	1,006	2,024	55	63	118	1,056	1,056	2,112	17	13	15	......	......	......
Woodstock	136	141	277	132	136	268	4	5	9	134	141	275	2	......	1	......	......	......

*In the case of one twin confinement, one child (male) was born in the rural part of Addington County, the other child in Kingston city.

Table 10—Births (exclusive of Stillbirths) Classified

Age of Father	Total	AGE OF																
		12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Under 16 years	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16 years	2	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
17 "	12	...	...	...	...	2	6	3	1	...	...	...	...	...	...	...	...	...
18 "	114	...	...	...	...	8	27	27	26	15	6	3	...	1	...	1	...	...
19 "	322	...	...	...	4	25	45	82	67	48	23	14	5	5	1	...	1	2
20 "	617	...	...	...	3	19	64	127	149	113	59	34	18	13	9	1	2	...
21 "	1,038	...	...	...	9	19	76	169	201	173	158	109	57	24	15	16	3	4
22 "	1,663	...	...	...	2	15	80	170	285	286	259	224	153	86	49	18	17	9
23 "	2,245	...	...	...	5	21	66	181	302	335	329	323	278	179	85	60	43	17
24 "	2,870	...	...	...	2	21	69	165	271	334	383	401	407	333	210	101	60	36
25 "	3,086	...	...	...	3	8	58	105	226	265	360	390	472	414	312	171	134	62
26 "	3,363	...	...	...	2	9	38	73	150	242	317	360	431	478	415	349	203	131
27 "	3,508	...	...	...	3	9	21	72	129	177	241	349	387	460	418	371	330	214
28 "	3,606	...	...	...	2	4	20	39	103	131	232	254	346	395	417	426	377	321
29 "	3,752	...	...	...	...	5	16	33	95	106	161	217	301	377	402	408	376	387
30 "	3,487	...	...	...	1	7	17	40	63	83	121	197	225	267	293	332	351	420
31 "	3,341	...	...	...	...	1	9	18	49	53	114	144	158	206	221	312	362	326
32 "	3,098	...	...	...	1	...	3	21	30	39	72	103	138	148	218	270	269	302
33 "	2,847	...	...	...	...	1	3	15	36	38	49	89	116	140	168	161	204	216
34 "	2,652	...	...	...	1	1	5	6	23	26	41	49	75	127	128	178	182	208
35 "	2,466	...	...	...	1	...	1	9	19	28	27	43	48	94	110	106	110	165
36 "	2,199	...	...	...	...	...	7	6	14	17	26	35	43	64	80	101	92	120
37 "	2,066	...	...	...	...	...	...	9	7	16	22	27	41	50	63	73	97	121
38 "	1,972	...	...	...	...	...	2	3	6	12	13	25	28	25	48	63	84	83
39 "	1,822	...	...	...	...	...	1	3	3	5	17	20	20	33	46	47	58	86
40 "	1,373	...	...	...	...	...	...	5	7	4	3	12	20	21	26	23	52	49
41 "	1,105	...	...	...	...	...	3	2	2	6	3	5	6	16	10	23	20	42
42 "	1,087	...	...	...	...	...	...	2	3	4	8	3	13	14	13	20	28	30
43 "	927	...	...	...	...	...	1	...	1	2	1	6	6	12	5	18	24	17
44 "	727	...	...	...	...	...	...	...	1	1	1	1	3	9	10	4	13	18
45 "	705	...	...	...	...	...	...	2	1	...	4	5	5	7	12	6	14	18
46 "	532	...	...	...	...	...	...	...	2	1	1	1	2	5	7	7	5	14
47 "	461	...	...	...	...	...	...	1	1	...	1	4	4	3	3	3	7	12
48 "	430	...	...	...	...	1	...	1	2	...	1	...	4	7	2	3	4	13
49 "	321	...	...	...	...	...	...	1	...	1	2	1	...	3	2	5	5	4
50 "	261	...	...	...	...	...	...	...	...	2	2	1	3	1	2	4	1	6
51 "	199	...	...	...	...	...	...	...	...	...	2	4	1	2	2	1	2	6
52 "	179	...	...	...	...	...	...	...	...	...	...	2	...	...	2	1	3	1
53 "	149	...	...	...	...	...	...	...	...	...	...	2	3	1	...	6	3	4
54 "	102	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1
55 "	79	...	...	...	...	...	...	...	...	...	...	3	...	...	1	...	1	3
56 "	65	...	...	...	...	...	...	...	...	...	1	...	...	2	1	...	1	1
57 "	69	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	1	3
58 "	64	...	...	...	...	...	1	...	...	...	...	...	...	2	1	1	3	1
59 "	34	...	...	...	...	...	...	...	...	...	...	1	2	2	...	...	1	1
60 "	36	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	1	1
61 "	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
62 "	21	...	...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	2
63 "	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
64 "	16	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2
65 and over	43	...	...	...	...	...	...	...	1	1	...	...	2	...	...	1	...	1
Not stated	84	...	...	...	...	...	1	1	...	2	3	...	2	1	2	1	2	2
Children born to married mothers	61,239	...	...	...	39	177	642	1391	2276	2567	3065	3463	3823	4028	3809	3700	3546	3482
Children born to unmarried mothers	2,884	...	5	16	49	120	187	264	291	284	238	218	172	155	159	114	71	80
Children born to all mothers	64,123	...	5	16	88	297	829	1655	2567	2851	3303	3681	3995	4183	3968	3814	3617	3562

according to Age of Parents, Ontario, 193)

MOTHER

29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 and over	Not stated
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
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....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3	....	....	....	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
....	1	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4	1	2	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8	4	4	1	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
29	18	13	8	3	3	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	1
34	30	15	10	7	4	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
53	49	22	19	6	11	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
123	89	48	25	17	9	3	5	5	....	1	1	....	....	....	....	....	....	....	....	....	....	1
222	116	76	57	25	13	11	9	....	7	2	....	....	1	....	....	....	....	....	....	....	....	....
291	235	120	81	55	37	21	9	7	4	5	1	....	....	....	....	....	....	....	....	....	....	2
373	248	176	106	62	41	19	15	9	9	2	2	1	3	....	....	....	....	....	....	1	....	3
336	344	298	176	89	44	40	13	11	11	2	....	3	....	1	....	....	....	....	....	....	....	....
278	302	276	239	165	97	51	38	18	8	8	2	1	1	....	....	....	....	....	....	....	....	....
262	266	266	263	227	138	88	39	22	18	12	4	....	....	3	1	....	....	....	....	....	....	2
245	235	207	259	209	177	110	56	51	24	15	3	6	....	1	....	....	....	1	....	....	....	3
163	205	208	251	234	237	178	92	67	30	21	7	5	5	....	2	....	....	....	....	....	....	....
145	189	178	207	199	189	153	147	92	46	26	13	4	3	1	1	....	....	....	....	....	....	1
112	143	140	184	172	183	168	157	126	66	46	23	10	5	1	1	1	2	....	....	....	....	....
101	125	133	151	161	171	158	155	137	142	68	36	19	13	6	2	....	....	....	1	....	....	1
93	104	99	126	127	136	182	143	134	124	106	63	21	14	7	1	2	....	....	....	....	....	1
49	69	59	78	95	103	119	107	120	117	106	68	23	12	11	5	3	....	1	....	....	....	6
48	45	61	76	50	69	98	95	85	101	90	70	51	17	6	2	1	....	....	....	....	....	2
35	40	38	87	63	60	70	78	74	97	92	76	60	46	20	10	2	1	....	....	....	....	....
30	12	34	58	60	66	76	63	71	85	66	61	66	37	30	9	7	1	....	....	2	....	....
21	17	25	23	24	53	55	44	61	70	73	54	45	51	27	16	5	1	....	....	....	....	1
27	19	22	32	29	44	50	49	33	60	74	55	43	41	25	15	12	1	....	....	....	....	....
10	20	12	20	23	33	28	41	24	41	66	27	44	31	19	25	16	5	1	1	....	....	....
8	10	15	19	17	21	21	25	38	38	46	36	30	24	27	20	14	8	4	....	....	....	1
7	8	10	14	14	23	31	39	32	42	35	26	13	29	26	24	10	7	2	....	....	....	....
10	9	2	10	19	11	12	17	22	25	42	28	16	19	21	15	9	3	3	2	2	....	....
7	10	8	10	15	11	15	11	18	20	19	25	17	15	12	11	7	3	4	1	....	....	....
6	5	7	4	5	7	12	11	13	15	15	15	15	13	15	6	9	3	1	1	....	....	1
4	1	2	6	10	15	10	7	8	13	16	15	12	17	12	9	3	7	3	....	....	....	....
3	6	1	6	4	6	5	6	6	11	11	6	11	15	12	5	8	5	2	1	....	....	....
....	5	2	1	5	10	2	3	6	9	10	14	5	9	8	3	1	1	3	....	....	1	....
3	3	....	8	3	1	2	3	6	4	7	2	4	5	5	2	4	5	2	1	1	....	....
2	1	3	5	....	2	1	3	1	7	7	7	6	7	4	2	1	....	....	....	....	....	....
4	2	1	1	3	7	3	2	4	4	3	2	5	10	3	6	1	....	....	....	....	....	....
....	....	1	5	1	4	2	2	4	3	8	2	4	5	4	3	2	2	2	1	....	....	....
1	2	2	....	1	3	1	1	5	....	2	1	1	3	1	....	....	3	....	....	....	....	....
....	2	....	1	3	....	2	3	2	2	3	3	1	2	3	....	1	1	....	....	1	1	....
....	....	....	....	1	1	1	2	....	....	1	....	2	1	....	....	....	....	....	....	....	....	....
....	....	2	2	....	....	2	1	....	1	....	1	1	3	1	....	1	1	....	....	....	....	....
....	....	....	1	....	....	1	2	....	1	....	1	1	1	1	....	2	1	....	....	....	....	....
....	....	....	2	....	1	1	2	2	2	1	....	....	1	....	1	....	....	....	....	....	....	....
1	3	2	3	1	2	2	3	3	3	5	1	1	3	2	....	1	1	....	....	....	....	....
1	5	1	....	2	....	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	55
3152	2998	2593	2637	2208	2047	1811	1504	1319	1263	1112	752	548	462	315	197	123	62	29	9	7	2	81
68	57	48	45	29	42	23	32	20	23	20	16	6	4	6	1	1	....	....	....	....	....	20
3220	3055	2641	2682	2237	2089	1834	1536	1339	1286	1132	768	554	466	321	198	124	62	29	9	7	2	101

Table 11—Births (exclusive of Stillbirths) Classified according to Racial Origin of Parents, Ontario, 1939

Racial Origin of Father	Total	RACIAL ORIGIN OF MOTHER																																	
		English	Irish	Scottish	Welsh	French	Armenian	Austrian	Belgian	Bulgarian	Chinese	Czech and Slovak	Danish	Dutch	Finnish	German	Greek	Hindu	Hungarian	Icelandic	Indian	Italian	Japanese	Jewish	Negro	Norwegian	Polish	Roumanian	Russian	Serb and Croat	Swedish	Swiss	Syrian	Ukrainian*	Other	Not specified
English	21,917	14235	2621	2748	95	882	...	8	12	1	...	4	22	232	58	514	3	..	5	7	35	67	..	10	1	29	59	11	18	1	48	16	6	45	16	108
Irish	10,382	2856	4151	1654	48	871	...	9	5	...	...	4	8	125	25	333	2	1	2	3	20	46	..	8	1	25	62	2	12	1	21	8	..	42	6	31
Scottish	8,502	2871	1674	2816	60	423	...	2	6	...	...	4	10	125	33	285	2	..	3	5	18	26	..	2	...	9	20	4	5	2	20	7	..	27	2	41
Welsh	359	149	65	71	32	17	...	1	...	...	...	...	...	6	...	8	...	..	...	..	...	...	..	...	...	...	1	2	...	...	...	...	1	2	...	4
French	8,893	720	635	326	4	6857	...	2	7	2	...	...	5	38	12	118	2	..	3	..	22	35	..	1	...	5	37	...	5	1	13	3	4	21	1	14
Armenian	19	4	1	1	...	...	12	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	..	...	...	1	...	...	...	...	...	...	..	...	...	...
Austrian	96	17	7	4	...	4	...	38	...	...	...	1	...	...	3	4	...	..	2	..	...	...	..	...	...	...	4	...	3	2	...	2	..	5	...	...
Belgian	170	16	10	6	...	13	...	...	106	1	...	...	...	7	...	5	...	..	1	..	...	1	..	...	...	...	...	...	...	...	1	...	..	2	...	1
Bulgarian	28	3	1	2	...	1	...	...	...	13	...	1	...	...	1	1	...	..	...	..	...	...	..	...	...	...	3	...	1	...	...	...	..	1	...	...
Chinese	35	5	1	...	...	3	...	...	...	...	23	...	...	...	...	...	...	..	...	..	...	...	..	...	1	...	...	...	...	...	...	...	..	...	...	2
Czech and Slovak	367	10	2	2	...	4	...	...	...	...	...	310	...	...	3	1	...	..	5	..	...	1	..	...	...	...	13	...	...	...	...	...	..	15	...	1
Danish	106	35	12	11	1	9	...	...	...	...	...	...	21	1	4	7	...	..	...	..	...	...	..	...	...	3	...	...	...	...	1	...	..	1	...	...
Dutch	832	271	131	123	4	59	...	1	11	...	...	1	...	183	1	33	...	..	1	..	2	1	..	...	...	3	3	...	...	...	2	1	..	...	...	1
Finnish	333	18	10	11	1	11	...	...	...	...	...	...	...	1	261	2	...	..	...	..	2	4	..	...	...	2	...	1	...	...	6	...	..	3	...	...
German	2986	561	334	286	6	148	...	3	2	...	...	5	4	19	13	1500	2	..	4	..	9	5	..	...	...	3	33	6	6	1	6	8	..	12	2	8
Greek	112	13	5	8	...	4	...	...	...	2	...	...	...	...	...	...	73	..	...	..	...	1	..	...	...	...	2	...	...	...	...	...	..	4	...	...
Hindu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...
Hungarian	295	14	4	6	...	3	...	4	1	...	...	3	...	1	1	8	...	..	230	..	1	2	..	...	...	...	2	1	1	4	...	...	..	6	1	2
Icelandic	16	6	2	2	...	1	...	...	...	...	...	...	...	1	...	...	...	..	...	2	...	...	..	...	...	...	...	...	...	...	2	...	..	...	...	...
Indian	634	28	16	6	1	13	...	...	...	...	...	...	...	1	...	4	...	..	...	..	560	...	..	...	2	...	...	...	...	...	1	...	..	...	...	2
Italian	1056	98	50	32	1	76	...	...	...	1	...	5	...	5	7	6	1	..	2	..	1	715	..	1	...	...	15	2	2	...	...	1	3	24	5	3
Japanese	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...
Jewish	887	21	5	8	...	3	...	...	...	...	...	...	...	...	1	1	...	..	...	..	...	1	..	838	...	...	5	...	1	...	...	...	..	2	...	1
Negro	155	7	6	...	...	...	...	...	...	...	...	...	...	2	...	1	...	..	...	..	...	...	..	...	139	...	...	...	...	...	...	...	..	...	...	...
Norwegian	136	33	14	25	...	12	...	1	...	...	...	...	2	...	3	5	...	..	1	..	2	1	..	...	...	17	2	...	1	...	15	...	..	1	...	1
Polish	793	34	25	8	1	20	...	2	...	...	...	3	...	3	2	13	...	..	1	..	1	2	..	3	...	2	592	5	11	2	...	...	..	59	2	2
Roumanian	108	7	4	2	...	6	...	...	...	...	...	...	...	1	1	3	...	..	3	..	...	2	..	1	...	...	10	51	1	1	...	...	..	14	...	1
Russian	163	12	6	8	...	9	...	5	...	...	...	1	...	1	...	2	...	..	1	..	...	1	..	6	...	1	12	3	60	...	1	...	..	33	...	1
Serb and Croat	187	2	1	2	...	1	...	1	...	...	...	3	1	...	...	...	1	..	2	..	...	1	..	...	...	...	4	1	2	147	1	...	..	17	...	...
Swedish	228	62	25	19	2	20	...	...	...	...	...	...	2	1	13	7	...	..	...	..	1	1	..	...	...	9	1	...	1	...	56	...	..	6	1	1
Swiss	105	24	14	11	...	7	...	1	...	...	...	...	...	...	...	13	...	..	...	..	...	1	..	...	...	...	2	...	...	...	...	28	..	1	...	3
Syrian	60	9	4	3	...	8	...	...	...	...	...	...	...	...	...	1	...	..	1	..	...	1	..	...	...	...	...	1	...	1	...	...	30	1	...	...
Ukranian	753	40	14	16	2	22	...	4	...	...	...	6	...	4	5	9	1	..	1	..	...	7	..	2	...	3	45	4	7	1	2	...	..	556	...	2
Other	93	19	11	6	1	2	...	1	...	...	...	...	1	...	1	1	...	..	...	..	1	1	..	1	...	...	1	...	2	...	...	...	..	5	39	...
Not specified	431	86	21	27	2	10	...	...	...	...	...	...	...	1	1	3	...	..	...	..	...	3	..	...	...	...	2	1	...	...	...	...	..	...	...	274
Children born to married mothers T.	61,239	22287	9882	8250	262	9519	12	83	150	20	23	351	76	758	449	2888	87	1	268	17	675	926	..	873	144	112	930	95	139	164	196	74	44	905	75	504
M.	31,475	11526	5043	4205	135	4898	7	53	75	9	8	173	40	363	236	1492	39	1	130	10	331	477	..	448	70	63	489	55	64	87	125	41	21	460	34	267
F.	29,764	10761	4839	4045	127	4621	5	30	75	11	15	178	36	395	213	1396	48	..	138	7	344	449	..	425	74	49	441	40	75	77	71	33	23	445	41	237

Children born to unmarried mothers T.	2,884	997	474	330	14	423	...	9	3	...	1	5	2	36	35	125	6	..	14	..	151	26	..	10	13	6	46	9	9	2	4	4	4	52	2	72
M.	1,460	518	237	168	10	188	...	7	3	...	...	1	...	18	18	68	3	..	9	..	81	11	..	6	4	2	25	3	2	...	2	2	3	30	1	40
F.	1,424	479	237	162	4	235	...	2	...	...	1	4	2	18	17	57	3	..	5	..	70	15	..	4	9	4	21	6	7	2	2	2	1	22	1	32
Children born to all mothers. T.	64,123	23284	10356	8580	276	9942	12	92	153	20	24	356	78	794	484	3013	93	1	282	17	826	952	..	883	157	118	976	104	148	166	200	78	48	957	77	576
M.	32,935	12044	5280	4373	145	5086	7	60	78	9	8	174	40	381	254	1560	42	1	139	10	412	488	..	454	75	65	514	58	66	87	127	43	24	490	35	307
F.	31,188	11240	5076	4207	131	4856	5	32	75	11	16	182	38	413	230	1453	51	..	143	7	414	464	..	429	83	53	462	46	82	79	73	35	24	467	42	269

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*Including "Galician" and "Bukovinian."

Table 12—Legitimate Births (exclusive of Stillbirths) Classified

Racial Origin of Mother	Total	AGE OF													
		15	16	17	18	19	20	21	22	23	24	25	26	27	28
English	22,287	14	70	255	582	886	961	1188	1305	1452	1526	1465	1426	1344	1286
Irish	9,882	9	22	88	204	341	385	448	538	593	605	571	566	539	572
Scottish	8,250	3	13	63	145	244	312	367	402	451	538	512	492	500	504
Welsh	262	....	1	2	4	11	8	12	11	19	28	10	14	11	13
French	9,519	6	45	125	236	385	430	522	594	603	614	572	575	526	500
Armenian	12	....	....	....	1	1	....	....	....	....	1	....	1	2	1
Austrian	83	....	....	....	....	5	3	2	5	4	1	10	4	1	7
Belgian	150	....	....	4	6	6	8	2	7	8	10	6	8	5	6
Bulgarian	20	....	....	....	....	1	2	....	1	....	3	3	1	1	....
Chinese	23	....	....	....	....	....	....	1	3	1	2	2	2	3	2
Czech and Slovak	351	....	....	1	5	18	4	3	9	8	11	13	12	15	19
Danish	76	....	....	....	....	2	2	5	8	6	4	6	2	2	7
Dutch	758	1	....	2	18	31	34	30	43	57	49	58	37	45	40
Finnish	449	1	1	3	12	14	15	30	28	28	34	24	18	21	25
German	2,888	1	12	29	46	85	115	135	161	172	170	183	174	158	160
Greek	87	....	....	....	1	2	5	1	5	2	6	4	3	4	3
Hindu	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hungarian	268	1	2	5	6	24	13	8	7	15	11	12	8	15	9
Icelandic	17	....	....	....	2	....	....	....	2	1	1	....	1	....	3
Indian	675	1	2	19	22	33	44	33	47	31	42	40	33	41	24
Italian	926	....	1	13	18	28	39	53	64	57	77	66	67	67	52
Japanese	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Jewish	873	....	....	1	3	6	12	20	32	58	56	63	78	71	75
Negro	144	....	1	4	7	8	5	10	10	7	9	9	5	12	8
Norwegian	112	....	....	....	2	3	4	6	7	14	8	8	8	7	9
Polish	930	1	2	4	17	32	34	49	51	79	56	57	57	36	53
Roumanian	95	....	....	1	1	7	4	7	5	10	11	4	3	4	3
Russian	139	....	....	....	2	6	11	7	6	11	11	6	3	6	14
Serb and Croat	164	....	1	2	5	5	10	8	11	6	4	9	4	5	7
Swedish	196	....	....	1	3	8	10	9	9	11	18	7	17	15	11
Swiss	74	....	....	....	....	1	1	4	3	5	3	5	2	4	6
Syrian	44	....	....	2	....	2	....	2	....	5	4	1	3	2	1
Ukrainian*	905	1	3	11	23	58	72	74	68	75	77	49	45	51	37
Other	75	....	....	....	5	3	4	4	4	2	5	5	2	5	1
Not specified	504	....	1	7	15	20	20	25	17	32	33	29	29	28	24
Total	61,239	39	177	642	1391	2276	2567	3065	3463	3823	4028	3809	3700	3546	3482

*Including "Galician" and "Bukovinian".

according to Age and Racial Origin of Mothers, Ontario, 1939

MOTHER																						
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 and over	Not stated
1189	1072	903	908	742	659	599	467	405	413	374	260	156	159	85	56	46	18	8	2	3	1	2
514	499	464	460	379	342	314	268	254	240	220	137	118	69	58	26	20	9	3	1	1	....	5
462	439	401	385	308	339	271	238	213	181	138	94	70	76	31	30	12	9	1	3	1	....	2
18	14	10	12	10	5	11	4	6	7	3	7	2	3	3	1	1	1	....	....	....	....	....
424	409	337	390	335	304	281	239	213	208	176	109	101	72	68	47	23	14	11	2	2	1	20
....	2	....	1	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....
6	6	4	7	5	2	2	2	....	1	....	1	1	2	1	....	1	....	....	....	....	....	....
8	4	5	8	5	8	7	8	6	5	3	1	1	4	1	....	....	....	....	....	....	....	....
....	1	1	....	2	1	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....
....	....	1	2	....	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....
15	17	30	26	22	24	22	17	10	17	7	12	7	1	4	....	....	1	....	....	....	....	1
1	4	1	7	3	6	4	1	1	1	1	....	....	....	2	....	....	....	....	....	....	....	....
43	35	23	34	28	38	21	21	12	11	11	14	3	8	5	5	....	....	1	....	....	....	....
20	28	19	21	20	14	18	10	10	11	5	6	4	4	4	1	....	....	....	....	....	....	....
150	153	117	142	112	98	87	80	82	57	60	41	40	23	21	13	4	4	2	....	....	....	1
7	8	10	4	1	4	3	1	7	2	....	....	3	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
9	13	20	6	11	13	13	10	9	8	6	5	2	3	1	1	2	....	....	....	....	....	....
1	1	1	....	....	....	1	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
42	32	29	18	22	16	10	15	10	11	19	9	5	4	4	5	2	1	2	....	....	....	7
37	37	30	25	34	29	21	21	15	16	21	11	6	10	2	4	3	1	....	....	....	....	1
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
61	78	49	47	41	36	18	16	11	13	14	4	1	3	5	....	....	....	....	....	....	....	1
3	3	3	8	7	3	4	4	1	3	1	1	2	1	3	....	2	....	....	....	....	....	....
7	3	6	2	4	....	4	1	1	3	....	2	2	....	....	....	1	....	....	....	....	....	....
38	49	51	45	41	29	40	31	18	13	12	9	8	4	4	4	1	1	....	1	....	....	3
6	3	3	4	2	5	1	2	1	2	1	....	....	4	....	....	....	....	1	....	....	....	....
6	8	3	8	4	8	4	1	4	1	5	2	2	....	....	....	....	....	....	....	....	....	....
7	10	8	6	8	6	7	9	8	3	5	5	....	2	1	....	....	1	....	....	....	....	1
9	11	5	9	3	10	8	4	2	4	2	3	3	....	2	1	1	....	....	....	....	....	....
3	7	5	5	5	2	2	1	1	....	3	2	2	....	2	....	....	....	....	....	....	....	....
3	1	3	3	5	1	3	1	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....
34	24	30	26	30	24	24	16	10	13	13	4	1	3	4	....	2	1	....	....	....	....	2
5	5	4	2	3	4	1	4	2	2	1	....	....	....	....	1	....	....	....	....	....	....	1
24	22	17	16	16	16	9	10	6	17	8	10	8	4	2	2	2	1	....	....	....	....	34
3152	2998	2593	2637	2208	2047	1811	1504	1319	1263	1112	752	548	462	315	197	123	62	29	9	7	2	81

Table 13—Births (exclusive of Stillbirths) Classified

Birthplace of Father	Total	BIRTHPLACE														
		Canada										British Isles				
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other
Canada	47,292	22	256	196	2647	38,026	673	646	213	109	25	1826	241	752	56	15
Prince Edward Island	54	7	3	2	....	26	2	2	....	1	....	2	....	3	....	2
Nova Scotia	379	1	71	5	21	211	7	5	2	1	1	23	1	6	....	....
New Brunswick	258	1	11	61	27	116	5	6	....	1	....	14	....	3	....	....
Quebec	3,183	4	10	23	1291	1,592	32	16	9	4	....	54	13	31	1	....
Ontario	41,755	8	147	94	1257	35,179	408	447	166	85	5	1653	219	676	51	12
Manitoba	724	....	5	7	19	356	183	40	8	3	....	28	5	14	1	....
Saskatchewan	568	1	2	4	11	323	27	117	11	4	....	31	1	9	3	1
Alberta	203	....	6	....	10	141	1	10	15	1	....	8	....	4	....	....
British Columbia	116	....	1	....	10	67	8	3	2	9	....	5	1	3	....	....
Province not specified	52	....	....	....	1	15	....	....	....	....	19	8	1	3	....	....
British Isles	7,707	2	40	17	151	4.400	112	71	33	18	28	1391	329	797	54	4
England	4,899	1	25	9	102	2,956	65	40	23	7	20	1095	85	275	24	1
Ireland	882	....	2	1	13	440	15	8	1	3	2	74	216	71	2	....
Scotland	1,708	1	11	6	31	884	27	20	7	8	5	186	26	438	2	2
Wales	195	....	2	1	4	107	5	3	2	....	1	30	2	11	26	....
Other	23	....	....	....	1	13	....	....	....	....	....	6	....	2	....	1
British Possessions	229	....	6	1	9	105	7	2	....	....	....	27	7	10	....	....
Newfoundland	120	....	4	....	4	53	3	2	....	....	....	13	4	6	....	....
Other	109	....	2	1	5	52	4	....	....	....	....	14	3	4	....	....
Europe	4483	1	14	8	83	1,047	141	94	16	4	13	64	8	37	5	....
Austria	180	....	....	....	2	40	14	9	1	2	....	3	....	1	1	....
Belgium	139	....	....	....	1	25	2	3	....	....	....	1	1	1	....	....
Denmark	75	....	....	1	1	31	3	....	....	....	1	7	1	1	....	....
Finland	206	....	....	....	2	65	1	1	1	....	1	3	....	2	1	....
France	29	....	....	1	1	17	2	....	....	....	1	2	....	....	....	....
Germany	153	....	....	....	3	64	5	5	....	....	1	2	2	6	....	....
Holland	141	....	....	....	....	52	1	....	1	....	....	9	....	4	2	....
Hungary	265	....	....	1	2	20	3	10	....	....	....	1	....	1	....	....
Italy	642	1	4	2	18	231	3	1	....	....	2	8	2	3	....	....
Norway	68	....	1	....	1	27	1	8	1	1	....	2	....	1	....	....
Poland	1,056	....	2	....	17	195	48	20	7	....	3	6	....	1	....	....
Roumania	172	....	3	1	6	37	11	15	....	....	1	....	....	4	....	....
Russia*	459	....	....	....	13	81	26	10	3	....	2	8	....	4	....	....
Sweden	107	....	....	....	3	49	8	6	1	1	....	4	1	1	....	....
Other	791	....	4	2	13	113	13	6	1	....	1	8	1	7	1	....
Asia	89	2	....	....	8	29	....	3	1	3	1	2	....	....	....	....
China	32	1	....	....	3	11	....	2	1	3	1	1	....	....	....	....
Japan	4	....	....	....	....	2	....	....	....	....	....	1	....	....	....	....
Other	53	1	....	....	5	16	....	1	....	....	....	....	....	....	....	....
United States	1,351	....	16	5	84	833	31	35	7	9	2	75	16	26	2	1
Various	11	....	....	....	....	7	....	....	....	....	....	....	....	....	....	....
Not specified	77	....	1	1	3	25	....	2	....	....	....	1	....	....	....	....
Children born to married mothers	61,239	27	333	228	2085	44,472	964	853	270	143	69	3386	601	1622	117	20
Children born to unmarried mothers	2,884	1	27	11	124	2,264	46	66	13	4	6	119	12	47	5	1
Children born to all mothers	64,123	28	360	239	3109	46,736	1010	919	283	147	75	3505	613	1669	122	21

*Including the Ukraine.

according to Birthplace of Parents, Ontario, 1939

OF MOTHER

British Possessions		Europe															Asia			United States	Various	Not specified
Newfoundland	Other	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Italy	Norway	Poland	Roumania	Russia*	Sweden	Other	China	Japan	Other			
64	34	12	12	7	46	7	23	9	9	40	4	77	5	42	12	14	5	....	2	1133	11	21
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	3	..	....
5	2	....	....	....	1	....	....	....	....	1	....	2	....	....	....	....	....	....	....	12	1	....
....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	2	....	....	....	....	7	1	1
1	2	....	1	3	....	3	2	....	....	3	....	7	....	1	....	1	....	....	1	73	..	5
55	27	12	9	3	42	4	19	8	6	36	4	59	4	38	8	13	5	....	1	971	9	15
2	....	....	1	1	....	....	1	....	1	....	....	6	....	3	2	....	....	....	....	38	..	....
....	1	....	....	....	2	....	....	....	2	....	....	3	....	....	....	....	....	....	....	15	..	....
1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	..	....
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	..	....
....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	3	..	....
27	12	3	3	5	8	4	4	6	....	2	1	15	....	4	2	5	....		....	154	2	3
21	4	2	3	4	4	....	2	5	....	2	1	8	....	4	1	4	....		....	101	2	3
1	4	....	....	1	2	....	1	1	....	....	....	4	....	....	....	....	....		....	20	..	....
5	4	1	....	....	2	4	1	....	....	....	....	3	....	....	1	1	....		....	32	..	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		....	1	..	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	..	....
27	19	....	....	....	1	....	1	1	....	....	....	....	....	....	....	....	....	....	....	6	..	....
27	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	..	....
....	18	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	4	..	....
....	1	96	97	22	152	7	66	66	212	343	17	746	83	295	27	584	....	....	1	127	4	2
....	....	77	....	....	4	....	4	....	3	1	....	7	....	3	....	3	....	....	....	5	..	....
....	....	....	92	....	....	2	....	6	1	....	....	....	....	....	....	1	....	....	....	3	..	....
....	....	....	....	21	3	....	....	....	....	....	3	....	....	....	1	....	....	....	....	1	..	....
....	....	....	....	....	123	....	....	....	....	....	....	....	....	....	1	....	....	....	....	5	..	....
....	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	1	....	....	....	1	..	....
....	....	....	....	....	7	1	44	....	....	1	....	2	2	1	....	3	....	....	....	4	..	....
....	....	....	5	....	....	....	4	59	....	....	....	....	....	....	....	1	....	....	....	2	1	....
....	....	1	....	....	....	....	2	....	198	1	....	1	6	1	....	8	....	....	1	8	..	....
....	....	....	....	....	....	....	1	....	....	336	....	4	....	1	....	3	....	....	....	21	1	....
....	....	....	....	1	3	....	1	....	....	....	12	1	....	....	3	....	....	....	....	4	..	....
....	1	9	....	....	....	2	4	1	1	1	....	645	7	46	....	9	....	....	....	29	1	1
....	....	1	....	....	1	....	2	....	4	1	....	12	56	5	....	7	....	....	....	4	..	1
....	....	7	....	....	....	....	3	....	....	1	....	45	7	228	....	5	....	....	....	16	..	....
....	....	....	....	....	5	....	....	....	....	....	2	....	....	....	22	....	....	....	....	3	1	....
....	....	1	....	....	5	....	1	....	5	1	....	29	5	10	....	543	....	....	....	21	..	....
....	3	....	....	....	....	1	....	....	....	....	....	2	....	....	....	2	5	....	22	4	1	....
....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	5	....	....	2	..	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	....
....	2	....	....	....	....	....	....	....	....	....	....	2	....	....	....	2	....	....	22	1	1	....
1	1	...	2	....	5	4	2	....	....	4	3	2	1	3	5	7	....	....	1	168	..	....
....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	....	....	....	....	1	..	....
....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	..	43
119	70	111	114	34	212	23	96	82	221	390	25	844	89	345	46	612	10	....	26	1593	18	69
8	3	4	3	....	15	1	1	....	8	4	2	21	4	2	....	4	....	....	....	37	..	21
127	73	115	117	34	227	24	97	82	229	394	27	865	93	347	46	616	10	....	26	1630	18	90

Table 14—Legitimate Births (exclusive of Stillbirths) Classified

Birthplace of Mother	Total	AGE OF														
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Canada	50,344	37	170	594	1270	2037	2332	2817	3155	3493	3658	3400	3214	2969	2774	2485
Prince Edward Island	27	....	....	....	....	....	....	....	2	2	2	3	....	1	1	2
Nova Scotia	333	....	....	1	7	10	17	15	20	17	16	23	22	23	20	19
New Brunswick	228	....	....	1	3	7	9	9	15	16	13	13	14	21	9	14
Quebec	2,985	1	9	27	52	84	100	128	148	195	192	173	171	182	163	151
Ontario	44,472	35	153	549	1172	1852	2079	2515	2793	3058	3208	3010	2819	2579	2422	2189
Manitoba	964	....	....	4	17	34	60	50	79	81	102	64	64	73	65	39
Saskatchewan	853	1	5	7	13	42	49	78	68	86	75	76	75	53	64	39
Alberta	270	....	1	4	5	5	13	14	22	23	28	20	34	24	13	15
British Columbia	143	....	....	....	....	2	3	5	5	10	18	13	13	10	10	15
Province not specified	69	....	2	1	1	1	2	3	3	5	4	5	2	3	7	2
British Isles	5.746	....	3	18	47	104	118	133	153	165	182	185	224	306	373	389
England	3,386	....	3	9	31	54	81	85	98	101	92	78	135	179	213	233
Ireland	601	....	....	1	3	10	6	5	6	13	17	26	22	28	43	44
Scotland	1,622	....	....	8	12	33	28	37	46	47	63	73	60	94	108	104
Wales	117	....	....	....	1	6	2	6	1	4	7	8	5	4	9	8
Other	20	....	....	....	....	1	1	....	2	....	3	....	2	1	....	....
British Possessions	189	....	....	1	2	3	5	6	5	10	7	9	5	15	20	11
Newfoundland	119	....	....	1	....	3	3	4	3	6	5	6	3	7	15	7
Other	70	....	....	....	2	....	2	2	2	4	2	3	2	8	5	4
Europe	3,244	2	3	19	42	89	64	47	70	68	96	128	151	165	204	179
Austria	111	....	....	....	....	3	2	....	....	....	1	3	1	3	8	7
Belgium	114	....	....	1	3	4	6	....	5	5	4	4	6	4	5	5
Denmark	34	....	....	....	....	....	....	1	3	1	2	1	1	1	3	1
Finland	212	....	....	2	1	8	....	3	6	8	3	4	8	10	7	10
France	23	....	....	....	....	....	....	1	1	....	1	1	2	1	1	....
Germany	96	....	....	....	....	4	2	3	....	....	2	1	3	5	4	7
Holland	82	....	....	....	3	....	2	1	2	4	2	4	2	7	5	5
Hungary	221	....	1	5	8	19	8	3	2	7	7	5	6	12	8	8
Italy	390	....	....	4	5	7	5	9	8	11	18	16	20	22	32	14
Norway	25	....	....	....	....	....	....	1	1	1	....	....	2	2	2	2
Poland	844	1	....	3	12	10	11	9	18	12	21	43	51	46	65	62
Roumania	89	1	1	....	....	5	3	1	....	1	3	3	1	4	4	7
Russia*	345	....	....	....	1	5	5	4	5	9	13	19	27	20	27	21
Sweden	46	....	....	1	....	....	3	1	1	....	....	....	2	4	1	1
Other	612	....	1	3	9	24	17	10	18	9	19	24	19	24	32	29
Asia	36	....	....	....	1	....	....	....	....	2	3	2	3	4	3	1
China	10	....	....	....	....	....	....	....	....	....	....	1	1	2	2	....
Japan	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other	26	....	....	....	1	....	....	....	....	2	3	1	2	2	1	1
United States	1,593	....	1	10	26	42	46	61	79	82	80	83	99	87	105	83
Various	18	....	....	....	....	....	....	....	....	1	....	....	2	....	1	2
Not specified	69	....	....	....	3	1	2	1	1	2	2	2	2	....	2	2
Total	61,239	39	177	642	1391	2276	2567	3065	3463	3823	4028	3809	3700	3546	3482	3152

*Including the Ukraine.

according to Age and Birthplace of Mothers, Ontario, 1939

MOTHER

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 and over	Not stated
2273	1964	1975	1541	1467	1249	1089	937	871	791	500	397	325	227	145	82	43	22	7	4	2	28
....	3	1	2	2	1	2	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....
15	24	13	13	8	13	12	7	6	7	2	....	1	....	....	2	....	....	....	....	....	....
11	10	11	7	8	3	11	8	3	7	2	2	....	1	....	....	....	....	....	....	....	....
147	124	125	121	107	93	85	77	91	75	38	45	25	24	13	6	3	5	....	2	....	3
1998	1726	1745	1348	1283	1115	955	830	755	696	452	345	296	200	131	73	39	17	7	2	2	24
42	40	38	17	37	10	15	7	7	4	5	3	2	1	1	1	1	....	....	....	....	1
37	20	25	18	10	4	1	3	2	1	....	1	....	....	....	....	....	....	....	....	....	....
16	7	5	7	5	4	3	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
5	6	7	4	5	4	2	1	1	1	1	1	1	....	....	....	....	....	....	....	....	....
2	4	5	4	2	2	3	1	5	....	....	....	....	....	....	....	....	....	....	....	....	....
376	310	355	357	331	309	214	220	229	184	162	90	77	51	34	25	12	4	1	2	....	3
208	189	204	197	187	174	132	135	135	122	110	57	49	39	26	18	7	3	....	2	....	....
41	38	39	48	27	33	26	34	18	20	17	10	5	2	2	4	1	1	....	....	....	1
117	80	100	104	109	97	56	47	62	41	30	22	21	8	6	3	3	....	1	....	....	2
9	2	7	8	8	5	....	3	2	1	5	1	2	2	....	....	1	....	....	....	....	....
1	1	5	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
14	8	11	13	12	3	7	5	5	5	2	1	1	....	3	....	....	....	....	....	....	....
11	4	5	8	6	1	6	4	3	4	....	1	1	....	2	....	....	....	....	....	....	....
3	4	6	5	6	2	1	1	2	1	2	....	....	....	1	....	....	....	....	....	....	....
226	223	197	216	180	189	142	114	109	100	67	48	44	28	11	8	4	2	1	....	....	8
9	8	9	8	6	13	5	2	7	6	2	1	3	1	....	2	1	....	....	....	....	....
3	5	8	5	7	7	7	6	5	3	1	1	4	....	....	....	....	....	....	....	....	....
3	1	4	3	2	3	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....
14	15	17	18	8	15	10	10	9	6	7	4	4	4	1	....	....	....	....	....	....	....
....	....	5	1	....	....	1	1	....	4	....	2	....	....	....	....	....	1	....	....	....	....
9	4	9	7	5	5	4	6	5	4	2	2	1	1	1	....	....	....	....	....	....	....
3	1	4	6	7	2	7	5	3	1	2	1	2	....	1	....	....	....	....	....	....	....
14	15	7	10	12	12	11	11	7	6	6	3	5	1	1	1	....	....	....	....	....	....
18	19	12	28	25	18	18	14	13	21	11	5	9	2	2	2	1	....	....	....	....	1
1	1	1	3	....	2	....	1	1	....	2	2	....	....	....	....	....	....	....	....	....	....
77	69	52	60	39	52	36	23	19	18	11	5	3	5	2	2	1	....	1	....	....	5
8	14	6	4	4	3	3	1	2	....	....	1	5	3	....	....	....	1	....	....	....	....
25	19	23	25	25	13	8	8	10	13	5	7	3	3	2	....	....	....	....	....	....	....
4	....	3	1	3	5	1	2	4	2	1	3	....	1	1	1	....	....	....	....	....	....
38	52	37	37	37	39	30	23	23	15	17	11	5	7	....	....	1	....	....	....	....	2
1	....	4	3	1	1	1	....	....	1	2	....	1	2	....	....	....	....	....	....	....	....
....	....	1	....	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1	....	3	3	....	1	1	....	....	1	1	....	1	1	....	....	....	....	....	....	....	....
102	86	92	77	54	58	51	42	48	29	18	12	13	7	4	7	3	1	....	1	....	4
5	1	2	....	1	....	....	....	....	....	1	....	1	....	....	1	....	....	....	....	....	....
1	1	1	1	1	2	....	1	1	2	....	....	....	....	....	....	....	....	....	....	....	38
2998	2593	2637	2208	2047	1811	1504	1319	1263	1112	752	548	462	315	197	123	62	29	9	7	2	81

Table 15—Plural Births Classified to Show Number of Children Born Alive and Stillborn by Sex, for the Province of Ontario, 1939

Classification of Births		Total
Twin Births		687
Two males (both living)		209
One male and one female (both living)		219
Two females (both living)		190
One male living and one male stillborn		24
One male living and one female stillborn		7
One male stillborn and one female living		11
One female living and one female stillborn		18
Two males (both stillborn)		6
One male and one female (both stillborn)		2
Two females (both stillborn)		1
Triplet births		7
Two males and one female (all living)		2
One male and two females (all living)		2
Three females all living)		1
Two males stillborn and one female living		1
One male living and two females stillborn		1
Total multiple births	No.	694
	M.	726
	F.	669
Total single live births	No.	62,810
	M.	32,260
	F.	30,550
Total single stillbirths	No.	1,883
	M.	986
	F.	897
Total confinements		65,387

MARRIAGES

Table 16—Marriages in the Province of Ontario by Months, 1939

	Total Marriages	Months											
		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total for the province	34,657	1,450	1,620	1,269	2,272	2,095	3,755	2,788	2,714	5,574	4,432	3,432	3,256

Table 17—Marriages—Conjugal Condition of Contracting Parties, in the Province of Ontario, 1939

	Total Marriages	MARRIAGES BETWEEN									Per cent. of Bridegrooms who were			Per cent. of Brides who were		
		Bachelors and			Widowers and			Divorced men and								
		Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Bachelors	Widowers	Divorced	Spinsters	Widows	Divorced
Total for the province	34,657	33,756	114	64	283	298	22	97	8	15	97.9	1.7	0.3	98.5	1.2	0.3

Table 18—Marriages Reported in Rural and Urban Parts of Counties, in the Province of Ontario, 1939

COUNTIES	Total	Rural	Urban	COUNTIES	Total	Rural	Urban
Total for the province	34,657	7,637	27,020	Manitoulin	86	71	15
Addington	43	43	....	Middlesex	1,335	237	1,098
Algoma	418	100	318	Muskoka	201	66	135
Brant	504	82	422	Nipissing	364	116	248
Bruce	352	177	175	Norfolk	298	118	180
Carleton	1,914	219	1,695	Northumberland	245	137	108
Cochrane	781	264	517	Ontario	503	188	315
Dufferin	109	63	46	Oxford	481	158	323
Dundas	116	52	64	Parry Sound	210	146	64
Durham	184	83	101	Peel	253	143	110
Elgin	396	171	225	Perth	417	150	267
Essex	1,683	201	1,482	Peterborough	385	75	310
Frontenac	515	90	425	Prescott	189	122	67
Glengarry	149	109	40	Prince Edward	112	63	49
Grenville	126	45	81	Rainy River	93	22	71
Grey	456	203	253	Renfrew	382	159	223
Haldimand	168	81	87	Russell	115	77	38
Haliburton	33	33	....	Simcoe	689	293	396
Halton	250	75	175	Stormont	337	74	263
Hastings	612	179	433	Sudbury	785	141	644
Huron	333	198	135	Thunder Bay	762	56	706
Kenora	193	....	193	Timiskaming	619	128	491
Kent	704	216	488	Victoria	223	128	95
Lambton	441	169	272	Waterloo	838	125	713
Lanark	260	52	208	Welland	845	205	640
Leeds	297	113	184	Wellington	473	98	375
Lennox	98	53	45	Wentworth	1,996	185	1,811
Lincoln	575	93	482	York	9,655	936	8,719
				District of Patricia	56	56	....

Table 19—Marriages—Ages of Bridegrooms and Brides, Ontario, 1939

Age of Bride-groom	Total grooms	AGE OF BRIDE																																							
		Under 16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50—54	55—59	60—64	65—69	70—74	75 and over	Not stated
Under 18	48	2	10	12	13	4	2	3	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
18	279	7	30	69	83	50	24	11	3	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
19	591	10	36	75	182	125	75	45	19	10	4	7	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
20	1,012	7	43	103	264	194	156	101	54	31	21	15	8	7	....	4	....	1	....	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
21	2,300	11	68	153	513	477	309	313	191	119	53	37	30	9	3	2	6	3	....	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
22	2,542	13	56	113	404	433	330	394	290	206	110	85	36	19	21	12	11	4	1	1	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
23	2,905	9	49	114	362	368	378	444	363	324	202	105	78	36	30	14	11	6	3	1	1	3	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
24	3,187	9	32	80	300	330	369	401	407	356	359	197	132	72	55	40	14	17	9	2	....	....	1	....	1	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
25	2,947	4	21	71	205	268	266	339	373	377	290	284	169	95	64	47	22	14	13	4	6	3	2	3	....	1	2	....	1	1	....	2	....	....	....	....	....	....	....	....	....	....	....
26	2,648	14	20	46	166	195	186	257	289	287	317	290	221	136	77	63	35	13	13	4	6	7	3	....	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
27	2,155	3	14	31	127	125	147	182	215	220	241	215	193	161	97	75	49	25	16	5	6	1	....	....	....	3	1	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....
28	2,265	3	17	35	102	134	132	175	186	220	230	234	203	167	149	90	75	33	31	6	8	13	6	2	2	2	3	2	1	1	....	....	1	1	....	....	1	....	....	....	....	....	....
29	1,813	2	10	18	66	82	93	128	143	169	199	192	157	139	140	106	61	35	22	14	9	10	5	6	....	2	2	....	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....
30	1,421	1	5	17	61	49	65	73	79	104	137	138	123	110	99	97	94	48	35	22	18	15	9	8	5	1	4	1	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....
31	1,207	3	5	11	32	34	45	65	78	83	113	85	84	99	89	94	69	68	50	32	26	10	4	7	8	6	1	3	2	....	....	....	1	....	....	....	....	....	....	....	....	....	....
32	946	....	2	5	21	31	31	48	55	55	79	65	77	60	83	75	64	59	42	25	30	8	9	4	5	6	3	1	1	....	1	....	....	....	....	....	1	....	....	....	....	....	....
33	848	....	7	6	17	18	24	32	39	67	49	55	79	58	58	56	63	47	42	44	21	19	18	8	8	2	3	....	3	2	....	....	....	1	1	....	1	....	....	....	....	....	....
34	723	....	2	8	25	17	15	25	37	37	54	48	50	50	43	43	55	40	32	36	25	27	9	7	7	9	6	5	3	2	2	2	1	....	....	1	....	....	....	....	....	....	....
35	597	....	4	2	13	12	14	18	19	24	27	36	60	40	42	32	35	34	30	25	28	32	18	14	10	7	5	3	6	2	1	2	2	....	....	....	....	....	....	....	....	....	....
36	430	....	2	3	10	13	15	10	11	19	24	20	35	27	28	25	30	29	17	18	14	21	14	8	11	7	5	6	1	3	....	....	1	....	....	....	3	....	....	....	....	....	....
37	397	....	1	2	12	7	8	15	16	12	10	20	26	27	19	17	11	27	24	24	23	18	17	15	9	14	7	2	4	2	1	....	2	....	1	1	3	....	....	....	....	....	....
38	360	....	....	2	4	6	8	15	10	15	21	14	23	21	14	18	20	21	19	16	18	21	11	12	19	17	5	4	2	1	....	2	....	....	....	....	1	....	....	....	....	....	....
39	354	4	1	1	7	4	7	4	11	12	12	14	17	11	30	15	12	14	20	20	22	20	14	14	13	12	9	9	10	2	2	5	1	....	1	....	4	....	....	....	....	....	....
40	252	1	1	1	3	3	3	7	5	10	9	10	9	13	7	11	13	18	12	15	8	13	13	6	12	16	10	8	3	4	1	1	1	2	2	1	....	....	....	....	....	....	....
41	202	....	1	....	3	1	2	6	4	6	8	6	4	7	7	13	15	10	11	8	11	11	12	6	10	9	8	6	2	3	1	3	1	1	2	1	3	....	....	....	....	....	....
42	178	....	....	....	2	2	5	3	2	4	2	4	8	7	6	5	8	13	6	6	9	9	8	8	11	11	5	12	4	3	3	1	2	4	1	....	2	1	1	....	....	....	....
43	180	....	....	....	2	2	2	3	2	4	5	2	7	3	7	5	15	5	12	6	8	13	12	8	10	6	3	6	6	7	2	1	....	5	....	2	7	2	....	....	....	....	....
44	135	....	....	....	1	....	2	2	4	....	2	3	2	5	2	5	11	7	6	3	11	7	11	9	4	2	5	5	6	6	5	5	2	....	....	1	1	....	....	....	....	....	....
45	153	....	2	....	2	....	2	....	3	4	1	2	6	5	2	7	9	7	7	5	10	6	7	3	5	7	4	5	5	4	7	8	4	....	3	....	10	1	....	....	....	....	....
46	107	....	....	....	....	....	1	....	....	2	....	1	4	2	4	3	4	6	4	6	9	6	6	2	3	5	5	3	3	3	4	4	6	2	1	3	3	2	....	....	....	....	....
47	92	....	1	....	....	1	4	....	2	1	....	1	1	2	3	1	4	3	3	3	1	5	4	3	6	3	5	3	3	6	4	2	2	3	2	1	3	3	3	....	....	....	....
48	105	....	....	....	....	....	....	1	2	2	....	5	3	3	1	....	3	2	6	3	4	3	3	4	5	5	3	2	6	2	4	4	6	2	7	7	3	4	....	....	....	....	....
49	97	....	....	....	....	....	....	1	1	....	2	....	2	....	5	....	5	6	3	1	1	3	1	5	5	6	7	2	4	4	1	5	4	4	7	3	6	1	1	1	....	....	....
50-54	390	....	....	....	2	....	....	2	3	3	4	3	7	2	9	4	8	9	8	6	7	15	18	13	19	12	15	12	20	11	14	13	20	16	19	14	58	18	5	1	....	....	....
50-59	321	....	....	....	1	....	1	1	1	1	3	2	....	1	2	....	2	4	6	8	4	6	6	9	5	8	10	15	16	11	12	13	12	12	14	15	56	42	10	11	1	....	....
60-64	201	....	....	....	1	1	....	1	....	2	....	1	1	2	1	1	3	1	3	....	3	1	6	2	5	....	3	2	3	3	4	7	4	5	9	13	40	37	24	9	3	....	....
65-69	150	....	....	....	....	1	....	....	....	....	....	2	....	....	....	....	1	1	1	....	2	....	....	1	....	4	2	4	....	4	1	3	6	3	4	1	16	27	37	19	8	2	....
70-74	78	....	....	....	....	....	....	....	....	....	....	1	....	1	1	....	....	....	....	....	....	....	....	1	....	....	....	2	....	1	....	....	....	3	1	1	11	14	14	16	10	1	....
75-79	32	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	1	....	1	....	....	2	2	2	8	4	9	....
80 and over	9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	3	2	2	....	....
Not stated	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total brides	34,657	103	440	978	3006	2987	2721	3125	2918	2787	2588	2200	1857	1398	1198	980	840	630	507	370	350	327	251	190	202	186	142	125	119	91	71	85	79	66	76	66	235	154	100	67	28	12	2

Table 20—Marriages—Denominations of Contracting Parties, 1939

Denomination of Groom	Total Grooms	DENOMINATION OF BRIDE																												
		Adventists	Anglicans	Baptists	Brethren	Christians	Christian Science	Church of Christ	Disciples	Evangelicals	Friends	Greek Catholics	Greek Orthodox	Holiness Movement	Jews	Lutherans	Mennonites	Mormons	Pentecostal	Presbyterians	Protestants	Roman Catholics	Salvation Army	Unitarians	United Brethren	United Church	Oriental religions	No religion	Other sects	Not stated
Adventists	15	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...
Anglicans	7,509	3	4119	387	2	4	10	11	3	12	1	9	5	5	5	83	5	14	10	639	20	597	26	...	...	1509	...	...	27	3
Baptists	1,959	1	324	865	5	3	4	3	2	2	...	2	1	...	1	22	1	8	8	157	2	119	12	...	...	397	...	...	20	...
Brethren	96	...	6	6	63	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	1	...	...	16	...	...	1	...
Christians	64	...	5	1	...	38	...	...	...	1	...	...	...	...	...	1	...	...	...	4	...	5	...	...	...	7	...	...	2	...
Christian Science	71	...	17	2	1	...	29	...	...	...	...	...	...	...	...	1	...	1	...	5	...	1	...	...	...	14	...	...	...	...
Church of Christ	37	...	3	4	...	...	...	13	...	...	...	...	...	...	...	...	...	1	1	6	...	2	...	...	...	6	...	...	1	...
Disciples	29	...	3	1	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	15	...	...	...	...
Evangelicals	132	...	11	8	...	...	1	...	...	52	...	...	...	...	...	19	1	1	1	10	...	9	...	...	...	17	...	...	...	2
Friends	14	...	...	1	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	1	...	1	...	...	...	6	...	...	...	...
Greek Catholics	245	...	5	1	...	...	...	...	...	...	...	174	9	...	1	3	...	...	...	4	...	42	...	...	...	6	...	...	...	...
Greek Orthodox	197	...	5	7	1	...	...	...	...	...	...	6	139	...	...	3	...	...	1	3	3	23	...	...	...	6	...	...	...	...
Holiness Movement	23	...	2	1	...	...	...	...	...	...	...	...	...	14	...	...	...	...	...	...	...	2	...	...	...	4	...	...	...	...
Jews	782	...	7	...	...	...	1	...	...	...	...	...	...	...	747	3	...	...	1	2	2	8	...	...	...	11	...	...	...	...
Lutherans	909	1	87	28	...	...	1	1	...	17	...	6	2	...	1	500	4	...	5	54	1	94	...	...	...	106	...	...	1	...
Mennonites	190	...	3	6	...	...	...	1	...	4	...	...	...	...	...	6	146	...	1	6	2	3	1	...	...	10	...	...	1	...
Mormons	69	...	5	3	1	...	...	...	...	...	...	...	...	1	...	2	...	27	2	8	...	1	...	...	...	18	...	...	1	...
Pentecostal	151	...	8	6	...	...	...	...	...	...	...	...	...	...	...	4	1	...	120	3	...	1	...	...	...	6	...	...	2	...
Presbyterians	3,939	2	793	185	3	1	6	5	1	7	1	6	3	1	2	69	3	14	8	1648	8	299	6	...	...	850	...	...	18	...
Protestants	843	...	19	5	...	...	...	...	...	2	...	...	2	...	1	6	2	...	1	12	673	91	...	...	...	29	...	...	...	...
Roman Catholics	7,213	1	396	79	2	2	1	...	...	7	...	43	12	...	6	54	1	5	6	147	63	6019	5	...	...	351	...	...	13	...
Salvation Army	110	...	12	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	3	65	...	...	19	...	...	1	...
Unitarians	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
United Brethren	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
United Church	9,658	3	1198	356	4	7	13	7	5	14	...	6	10	6	1	102	9	9	15	576	9	473	17	...	...	6772	...	...	44	2
Oriental religions—(Buddhists, Confucians, Mohammedans, Shintos, Sikhs, Hindus)	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
No religion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other sects	365	...	34	15	1	3	...	...	1	...	...	1	...	...	...	6	1	1	5	19	...	16	3	...	...	47	...	...	212	...
Not stated	35	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	7	...	...	...	7	...	...	...	11
Total Brides	34,657	24	7070	1973	83	58	66	41	20	118	7	253	183	28	765	883	175	81	185	3312	784	2818	136	...	...	10230	2	...	346	16

Table 21—Marriages—Birthplace of Bridegrooms and Brides, 1939

Birthplace of Bridegroom	Total	BIRTHPLACE OF BRIDE																																					
		Canada										British Isles					British Possessions		Europe															Asia					
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other	Newfoundland	Other	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Italy	Norway	Poland	Roumania	Russia*	Sweden	Other	China	Japan	Other	United States	Various	Not specified
Canada	30.268	10	121	67	599	26564	333	410	104	44	...	846	111	346	23	...	31	13	9	5	3	34	4	11	10	18	29	6	73	14	30	4	26	1	...	2	365	2	...
Prince Edward Island	9	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
Nova Scotia	146	...	14	1	5	92	6	...	3	1	...	8	1	3	2	...	2	1	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	4	...	...
New Brunswick	103	2	1	8	6	68	2	2	1	1	...	8	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Quebec	721	2	5	4	135	498	7	11	4	2	...	22	2	11	...	...	1	...	...	...	...	...	1	1	...	...	2	...	4	2	...	...	...	...	...	...	7	...	...
Ontario	28,361	6	97	50	431	25340	216	287	77	31	...	777	102	318	20	...	26	11	9	5	2	33	3	9	10	16	23	6	59	11	27	2	22	1	...	2	331	1	...
Manitoba	397	...	3	...	10	223	79	33	3	3	...	13	3	3	1	...	1	...	...	...	...	...	...	...	...	1	1	...	3	1	2	1	3	...	...	...	10	...	...
Saskatchewan	344	...	1	2	5	209	19	64	7	1	...	11	2	6	...	...	...	...	...	...	1	...	...	...	...	...	...	...	6	...	1	1	...	...	...	...	7	1	...
Alberta	115	...	...	1	2	78	3	10	7	1	...	4	1	1	...	...	1	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	1	...	...	...	2	...	...
British Columbia	70	...	...	1	5	48	1	3	2	4	...	3	...	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Province not specified	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
British Isles	2,510	2	13	2	47	1653	38	35	16	4	1	403	52	158	11	1	7	4	...	...	1	2	3	7	1	...	3	2	4	1	1	1	2	...	...	...	35	...	...
England	1,585	2	11	1	30	1053	20	19	13	3	1	303	14	63	8	1	2	1	...	...	1	1	1	2	1	...	3	2	3	...	1	1	1	...	...	...	23	...	...
Ireland	247	...	2	...	3	167	6	3	...	...	...	18	29	12	...	...	1	...	...	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	3	...	...
Scotland	609	...	...	1	11	385	11	12	3	1	...	75	8	80	2	...	3	3	...	...	...	...	1	3	...	...	...	...	1	...	...	...	1	...	...	...	8	...	...
Wales	68	...	...	...	3	47	1	1	...	...	...	7	1	3	1	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Other	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
British Possessions	67	...	1	...	1	45	1	1	...	...	...	4	2	3	...	...	3	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newfoundland	29	...	1	...	1	19	...	1	...	...	...	3	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other	38	...	...	...	...	26	1	...	...	...	...	1	1	2	...	...	1	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Europe	1,118	...	5	1	23	451	41	36	4	2	...	19	...	8	...	...	...	3	22	7	5	47	1	17	12	41	39	2	156	22	60	3	64	...	...	3	24	...	...
Austria	42	...	...	...	2	13	5	2	...	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	1	...	...	7	...	...	...	...	...	...	...	1	...	...
Belgium	14	...	...	...	...	7	...	...	...	...	...	...	...	1	...	...	...	...	...	5	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Denmark	29	...	...	1	1	17	...	...	...	2	...	1	...	...	...	...	...	1	...	...	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Finland	79	...	...	...	2	31	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	40	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...
France	6	...	...	...	1	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Germany	54	...	1	...	1	30	3	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	14	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...
Holland	40	...	...	...	...	23	...	2	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Hungary	71	...	...	...	1	16	...	4	1	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	35	...	...	1	3	...	...	3	...	...	...	5	...	...
Italy	125	...	2	...	3	73	...	1	...	...	...	3	...	2	...	...	...	1	...	...	...	...	...	...	...	...	37	...	...	...	...	...	...	...	...	...	3	...	...
Norway	12	...	1	...	...	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
Poland	300	...	...	...	4	110	18	14	2	...	...	3	...	...	...	...	...	1	2	...	...	1	...	1	...	1	1	...	118	3	17	...	3	...	...	...	1	...	...

Roumania...........	56	..	...	..	4	13	1	4	...	..	..	4	...	....	..	..	....	....	..	...	..	...	...	...	...	2	...	...	6	13	2	..	3	..	...	1	3	..	...
Russia*..............	131	..	1	..	2	45	5	3	1	..	..	2	...	1	..	..	....	....	5	2	...	1	...	...	...	...	...	..	17	2	41	...	2	..	..	...	1	...	...
Sweden..............	18	..	...	..	...	13	...	1	...	..	..	1	...	....	..	..	....	....	...	...	...	1	..	...	...	...	...	1	...	...	...	1	.	..	...	.	..	...	..
Other................	141	..	..	..	2	47	6	4	...	..	..	4	...	1	..	..	....	...	3	...	...	1	1	2	...	2	1	...	7	1	...	...	52	...	...	2	5	...	...
Asia....................	23	..	...	..	3	11	1	1	...	3	..	....	...	....	..	..	....	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	1	...	...
China...............	13	..	...	..	1	5	1	...	...	3	..	....	...	....	..	..	....	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...
Japan...............	1	..	...	..	...	1	...	...	...	..	..	....	...	....	..	..	....	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
Other...............	9	..	...	..	2	5	...	1	...	..	..	....	...	....	..	..	....	....	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...
United States..........	662	..	7	4	16	454	13	16	5	5	..	14	4	16	..	..	....	....	...	2	..	1	...	1	2	1	1	...	4	...	6	...	5	..	...	2	82	1	.
Various................	7	..	...	..	1	6	...	...	...	..	..	....	...	....	..	..	....	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
Not specified..........	2	..	...	..	...	2	...	...	...	..	..	....	...	....	..	..	....	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total brides....	34,657	12	147	74	690	29186	427	499	129	58	1	1286	169	531	34	1	41	26	31	14	9	84	8	36	25	60	72	10	237	37	97	8	97	3	...	8	507	3	..

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*Including the Ukraine.

Table 22—Marriages—Literacy of Bridegrooms and Brides in Ontario, Classified by Birthplace, 1939

Birthplace	Bridegrooms			Brides		
	Total	Illiterate	Per cent. Illiterate	Total	Illiterate	Per cent. Illiterate
Total	34,657	30	0.1	34,657	14	†
Canada	30,268	20	0.1	31,223	4	†
Prince Edward Island	9			12		
Nova Scotia	146			147		
New Brunswick	103			74		
Quebec	721	1	0.1	690		
Ontario	28,361	19	0.1	29,186	4	†
Manitoba	397			427		
Saskatchewan	344			499		
Alberta	115			129		
British Columbia	70			58		
Province not specified	2			1		
British Isles	2,510			2,021	1	†
England	1,585			1,286	1	0.1
Ireland	247			169		
Scotland	609			531		
Wales	68			34		
Other	1			1		
British Possessions	67			67		
Newfoundland	29			41		
Other	38			26		
Europe	1,118	10	0.9	825	9	1.1
Austria	42	1	2.4	31	1	3.2
Belgium	14			14		
Denmark	29			9		
Finland	79			84		
France	6			8		
Germany	54			36		
Holland	40			25		
Hungary	71			60		
Italy	125	2	1.6	72		
Norway	12			10		
Poland	300	3	1.0	237	5	2.1
Roumania	56			37		
Russia*	131	2	1.5	97		
Sweden	18			8		
Other	141	2	1.4	97	3	3.1
Asia	23			11		
China	13			3		
Japan	1					
Other	9			8		
United States	662			507		
Various	7			3		
Not specified	2					

* Including the Ukraine. † Less than one-tenth of one per cent.

Table 23—Deaths of Children under One Year (exclusive of Stillbirths) in Ontario, by Months, Classified as Rural and Urban, 1939

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Ontario	**2,979**	**329**	**289**	**278**	**280**	**269**	**220**	**204**	**205**	**223**	**256**	**185**	**241**
Rural	891	104	110	79	80	71	68	71	56	61	67	48	76
Urban	2,088	225	179	199	200	198	152	133	149	162	189	137	165
Addington	2	1	1	....	....	....	....	....	....	....	....	....	....
Rural	2	1	1	....	....	....	....	....	....	....	....	....	....
Algoma	62	3	6	4	10	8	4	4	5	7	4	4	3
Rural	17	2	3	1	3	1	1	1	1	1	....	2	1
Urban	45	1	3	3	7	7	3	3	4	6	4	2	2
Sault Ste. Marie, c.	31	1	2	3	3	4	2	2	3	6	2	2	1
Blind River, t.	11	....	....	....	3	2	1	1	1	....	2	....	1
Thessalon, t.	3	....	1	....	1	1	....	....	....	....	....	....	....
Brant	52	2	2	5	2	4	2	4	4	5	7	8	7
Rural	11	2	....	1	1	....	....	2	2	1	....	....	2
Urban	41	....	2	4	1	4	2	2	2	4	7	8	5
Brantford, c.	38	....	2	3	....	3	2	2	2	4	7	8	5
Paris, t.	3	....	....	1	1	1	....	....	....	....	....	....	....
Bruce	34	4	8	4	2	1	4	2	1	2	3	....	3
Rural	27	2	7	3	1	1	3	2	1	2	3	....	2
Urban	7	2	1	1	1	....	1	....	....	....	....	....	1
Chesley, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Kincardine, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Southampton, t.	1	....	....	....	....	....	1	....	....	....	....	....	....
Walkerton, t.	3	....	1	1	....	....	....	....	....	....	....	....	1
Wiarton, t.	3	2	....	....	1	....	....	....	....	....	....	....	....
Lucknow, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Port Elgin, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Carleton	191	13	18	12	16	18	20	14	17	17	17	18	11
Rural	17	3	3	....	1	4	2	....	1	1	....	1	1
Urban	174	10	15	12	15	14	18	14	16	16	17	17	10
Ottawa, c.	163	9	14	11	15	14	17	12	16	15	16	16	8
Eastview, t.	11	1	1	1	....	....	1	2	....	1	1	1	2
Rockcliffe Park, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Cochrane	160	10	14	11	11	12	15	19	12	10	9	13	24
Rural	86	8	6	4	4	4	6	13	8	7	4	8	14
Urban	74	2	8	7	7	8	9	6	4	3	5	5	10
Cochrane, t.	8	....	....	1	1	....	3	1	....	1	1	....	....
Iroquois Falls, t.	2	....	1	....	....	1	....	....	....	....	....	....	....
Kapuskasing, t.	13	....	3	1	1	1	1	2	2	....	....	....	2
Timmins, t.	51	2	4	5	5	6	5	3	2	2	4	5	8
Dufferin	9	2	1	....	1	3	....	1	....	....	....	....	1
Rural	2	....	....	....	....	1	....	1	....	....	....	....	....
Urban	7	2	1	....	1	2	....	....	....	....	....	....	1
Orangeville, t.	5	2	1	....	1	1	....	....	....	....	....	....	....
Shelburne, vl.	2	....	....	....	....	1	....	....	....	....	....	....	1
Dundas	15	1	3	1	1	3	2	2	....	....	1	....	1
Rural	12	1	2	1	1	3	1	2	....	....	1	....	....
Urban	3	....	1	....	....	....	1	....	....	....	....	....	1
Chesterville, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Iroquois, vl.	1	....	....	....	....	....	1	....	....	....	....	....	....
Morrisburg, vl.	2	....	1	....	....	....	....	....	....	....	....	....	1
Winchester, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Durham	18	3	2	....	....	1	2	....	1	2	1	2	4
Rural	6	3	1	....	....	....	....	....	....	....	1	1	....
Urban	12	....	1	....	....	1	2	....	1	2	....	1	4
Bowmanville, t.	6	....	1	....	....	....	2	....	....	1	....	....	2
Port Hope, t.	6	....	....	....	....	1	....	....	1	1	....	1	2
Elgin	25	1	3	5	1	1	2	3	1	3	2	2	1
Rural	16	1	3	3	....	....	2	2	1	1	2	1	....
Urban	9	....	....	2	1	1	....	1	....	2	....	1	1
St. Thomas, c.	8	....	....	2	1	....	....	1	....	2	....	1	1
Aylmer, t.	1	....	....	....	....	1	....	....	....	....	....	....	....
Essex	117	24	9	10	13	9	7	9	4	12	5	9	6
Rural	27	5	1	3	4	1	4	3	....	1	1	3	1
Urban	90	19	8	7	9	8	3	6	4	11	4	6	5
Windsor, c.	76	16	7	6	9	6	2	4	4	8	3	6	5
Amherstburg, t.	5	1	....	1	....	2	....	....	....	....	1	....	....
Essex, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Kingsville, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Leamington, t.	5	1	1	....	....	....	1	....	....	2	....	....	....
Riverside, t.	1	....	....	....	....	....	....	....	....	1	....	....	....
Tecumseh, t.	2	1	....	....	....	....	....	1	....	....	....	....	....
Harrow, vl.	1	....	....	....	....	....	....	1	....	....	....	....	....
Frontenac	49	4	5	2	3	6	5	2	3	5	6	6	2
Rural	9	1	2	....	....	1	1	1	2	....	....	1	....
Urban	40	3	3	2	3	5	4	1	1	5	6	5	2
Kingston, c.	40	3	3	2	3	5	4	1	1	5	6	5	2
Glengarry	10	3	3	....	1	....	1	....	....	2	....	....	....
Rural	9	2	3	....	1	....	1	....	....	2	....	....	....
Urban	1	1	....	....	....	....	....	....	....	....	....	....	....
Alexandria, t.	1	1	....	....	....	....	....	....	....	....	....	....	....

Table 23—Deaths of Children under One Year (exclusive of Stillbirths) in Ontario, by Months, Classified as Rural and Urban, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Grenville	11	....	....	2	2	2	....	1	....	2	2	....	....
Rural	5	....	....	1	1	1	....	....	....	....	2	....	....
Urban	6	....	....	1	1	1	....	1	....	2	....	....	....
Prescott, t.	3	....	....	1	....	1	....	....	....	1	....	....	....
Cardinal, vl.	3	....	....	....	1	....	....	1	....	1	....	....	....
Kemptville, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Grey	42	9	3	1	2	6	4	3	3	3	4	2	2
Rural	11	1	3	....	1	2	1	1	....	1	....	1	....
Urban	31	8	....	1	1	4	3	2	3	2	4	1	2
Owen Sound, c.	23	8	....	....	1	2	3	2	2	1	2	....	2
Durham, t.	2	....	....	1	....	....	....	....	....	....	....	1	....
Hanover, t.	2	....	....	....	....	....	....	....	....	....	2	....	....
Meaford, t.	4	....	....	....	....	2	....	....	1	1	....	....	....
Haldimand	8	2	....	1	1	2	....	....	....	....	2	....	....
Rural	5	....	....	1	1	1	....	....	....	....	2	....	....
Urban	3	2	....	....	....	1	....	....	....	....	....	....	....
Dunnville, t.	3	2	....	....	....	1	....	....	....	....	....	....	....
Caledonia, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Hagersville, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Haliburton	9	3	....	3	2	....	....	....	....	1	....	....	....
Rural	9	3	....	3	2	....	....	....	....	1	....	....	....
Halton	5	....	1	....	1	....	....	....	....	....	1	....	2
Rural	2	....	1	....	....	....	....	....	....	....	....	....	1
Urban	3	....	....	....	1	....	....	....	....	....	1	....	1
Burlington, t.	1	....	....	....	....	....	....	....	....	....	....	....	1
Georgetown, t.	1	....	....	....	....	....	....	....	....	....	1	....	....
Milton, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Oakville, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Acton, vl.	1	....	....	....	1	....	....	....	....	....	....	....	....
Hastings	89	16	8	11	8	7	3	3	4	7	8	4	10
Rural	41	6	5	5	4	4	....	2	1	5	3	....	6
Urban	48	10	3	6	4	3	3	1	3	2	5	4	4
Belleville, c.	32	7	2	4	4	2	3	1	1	....	3	3	2
Deseronto, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Trenton, t.	7	....	1	2	....	1	....	....	1	2	....	....	....
Bancroft, vl.	4	....	....	....	....	....	....	....	1	....	2	....	1
Madoc, vl.	4	2	....	....	....	....	....	....	....	....	....	1	1
Tweed, vl.	1	1	....	....	....	....	....	....	....	....	....	....	....
Huron	30	4	1	2	4	4	3	3	1	...	5	2	1
Rural	11	2	1	....	2	2	1	1	....	....	1	1	..
Urban	19	2	....	2	2	2	2	2	1	....	4	1	1
Clinton, t.	5	....	....	1	....	....	....	....	1	....	1	1	1
Goderich, t.	5	....	....	....	1	....	1	2	....	....	1	....	....
Seaforth, t.	7	2	....	....	1	2	1	....	....	....	1	....	....
Wingham, t.	2	....	....	1	....	....	....	....	....	....	1	....	....
Exeter, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Kenora	35	3	....	5	3	3	3	3	3	2	6	1	3
Rural	7	....	....	3	1	1	....	....	....	1	1	....	....
Urban	28	3	....	2	2	2	3	3	3	1	5	1	3
Dryden, t.	7	....	....	....	....	1	3	2	....	....	1	....	....
Keewatin, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Kenora, t.	17	3	....	2	....	1	....	1	3	....	4	1	2
Sioux Lookout, t.	4	....	....	....	2	....	....	....	....	1	....	1	...
Kent	51	5	8	6	5	5	1	3	6	2	2	3	5
Rural	12	2	2	2	....	1	....	....	....	1	1	1	2
Urban	39	3	6	4	5	4	1	3	6	1	1	2	3
Chatham, c.	32	3	6	4	3	3	1	2	6	....	1	1	2
Blenheim, t.	1	....	....	....	....	....	....	....	....	....	....	1	..
Dresden, t.	2	....	....	....	....	1	....	....	....	1	....	....	....
Ridgetown, t.	2	....	....	....	1	....	....	1	....	....	....	....	....
Tilbury, t.	1	....	....	....	....	....	....	....	....	....	....	....	1
Wallaceburg, t.	1	....	....	....	1	....	....	....	....	....	....	....	....
Lambton	44	3	3	8	3	3	5	6	3	2	3	2	3
Rural	14	2	1	2	1	1	2	1	....	1	1	....	2
Urban	30	1	2	6	2	2	3	5	3	1	2	2	1
Sarnia, c.	22	1	2	4	2	1	1	4	2	1	1	2	1
Forest, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Petrolia, t.	7	....	....	1	....	1	2	1	1	....	1	....	....
Point Edward, vl.	1	....	....	1	....	....	....	....	....	....	....	....	....
Lanark	27	2	2	1	7	3	2	1	3	....	2	3	1
Rural	5	....	....	....	2	....	1	....	....	....	....	2	....
Urban	22	2	2	1	5	3	1	1	3	....	2	1	1
Almonte, t.	3	1	1	....	1	....	....	....	....	....	....	....	....
Carleton Place, t.	2	....	....	....	....	1	....	....	....	....	1	....	....
Perth, t.	8	....	....	1	....	2	1	....	3	....	....	....	1
Smiths Falls, t.	9	1	1	....	4	....	....	1	....	....	1	1	....
Leeds	37	6	2	2	6	5	6	5	....	1	2	2	....
Rural	14	3	1	....	1	1	3	2	....	1	....	2	....
Urban	23	3	1	2	5	4	3	3	....	....	2	....	....
Brockville, t.	21	3	1	1	4	4	3	3	....	....	2	....	....
Gananoque, t.	2	....	....	1	1	....	....	....	....	....	....	....	....
Lennox	7	1	1	2	....	....	2	....	....	....	....	....	1
Rural	3	1	1	....	....	....	1	....	....	....	....	....	....
Urban	4	....	....	2	....	....	1	....	....	....	....	....	1
Napanee, t.	4	....	....	2	....	....	1	....	....	....	....	....	1

Table 23—Deaths of Children under One Year (exclusive of Stillbirths) in Ontario, by Months, Classified as Rural and Urban, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Lincoln	48	3	5	7	5	4	3	4	2	4	5	2	4
Rural	14	1	1	1	2	1	....	2	....	....	3	1	2
Urban	34	2	4	6	3	3	3	2	2	4	2	1	2
St. Catharines, c.	31	1	4	6	3	3	3	2	2	4	1	1	1
Grimsby, t.	1	1	....	....	....	....	....	....	....	....	....	....	....
Merritton, t.	1	....	....	....	....	....	....	....	....	....	1	....	....
Niagara, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Beamsville, vl.	1	....	....	....	....	....	....	....	....	....	....	....	1
Port Dalhousie, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Manitoulin	26	1	2	1	5	4	3	2	3	1	2	1	1
Rural	24	1	2	1	5	4	2	2	2	1	2	1	1
Urban	2	....	....	....	....	....	1	....	1	....	....	....	....
Little Current, t.	2	....	....	....	....	....	1	....	1	....	....	....	....
Middlesex	97	13	10	6	6	10	6	4	6	8	10	6	12
Rural	13	2	2	1	1	2	1	....	....	....	1	....	3
Urban	84	11	8	5	5	8	5	4	6	8	9	6	9
London, c.	80	11	8	5	4	8	4	4	5	8	8	6	9
Parkhill, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Strathroy, t.	4	....	....	....	1	....	1	....	1	....	1	....	....
Muskoka	19	3	2	....	4	3	....	1	1	....	2	2	1
Rural	13	2	1	....	2	3	....	1	1	....	1	1	1
Urban	6	1	1	....	2	....	....	....	....	....	1	1	....
Bracebridge, t.	2	....	....	....	1	....	....	....	....	....	....	1	....
Gravenhurst, t.	2	1	....	....	....	....	....	....	....	....	1	....	....
Huntsville, t.	2	....	1	....	1	....	....	....	....	....	....	....	....
Nipissing	69	1	7	10	5	7	5	3	4	7	10	4	6
Rural	26	1	3	4	2	1	1	1	2	4	4	....	3
Urban	43	....	4	6	3	6	4	2	2	3	6	4	3
North Bay, c.	17	....	....	4	1	....	2	1	1	1	4	2	1
Cache Bay, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Mattawa, t.	10	....	4	....	....	2	1	....	1	....	....	1	1
Sturgeon Falls, t.	16	....	....	2	2	4	1	1	....	2	2	1	1
Norfolk	35	3	4	5	1	3	6	2	3	4	....	....	4
Rural	14	....	2	3	1	....	4	....	2	1	....	....	1
Urban	21	3	2	2	....	3	2	2	1	3	....	....	3
Simcoe, t.	19	2	2	2	....	2	2	2	1	3	....	....	3
Delhi, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Port Dover, vl.	2	1	....	....	....	1	....	....	....	....	....	....	....
Waterford, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Northumberland	22	1	3	2	2	3	3	1	2	2	1	1	1
Rural	14	1	3	2	1	3	1	1	....	1	....	....	1
Urban	8	....	....	....	1	....	2	....	2	1	1	1	....
Campbellford, t.	2	....	....	....	....	....	1	....	1	....	....	....	....
Cobourg, t.	6	....	....	....	1	....	1	....	1	1	1	1	....
Brighton, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Ontario	32	4	6	4	2	5	1	2	3	2	3	....	....
Rural	10	1	1	2	1	2	....	....	1	....	2	....	....
Urban	22	3	5	2	1	3	1	2	2	2	1	....	....
Oshawa, c.	17	2	3	1	1	3	1	2	1	2	1	....	....
Uxbridge, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Whitby, t.	3	1	1	1	....	....	....	....	....	....	....	....	....
Port Perry, vl.	2	....	1	....	....	....	....	....	1	....	....	....	....
Oxford	41	3	3	4	7	3	4	4	3	4	2	....	4
Rural	8	1	....	1	....	....	1	....	1	1	1	....	2
Urban	33	2	3	3	7	3	3	4	2	3	1	....	2
Woodstock, c.	14	2	1	1	2	....	1	2	1	1	1	....	2
Ingersoll, t.	3	....	1	....	1	....	1	....	....	....	....	....	....
Tillsonburg, t.	16	....	1	2	4	3	1	2	1	2	....	....	....
Norwich, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Tavistock, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Parry Sound	33	4	2	2	3	1	....	3	7	1	3	1	6
Rural	19	4	2	2	3	....	....	1	3	....	2	....	2
Urban	14	....	....	....	....	1	....	2	4	1	1	1	4
Parry Sound, t.	14	....	....	....	....	1	....	2	4	1	1	1	4
Peel	7	1	....	....	....	1	....	....	3	....	....	1	1
Rural	4	....	....	....	....	1	....	....	2	....	....	1	....
Urban	3	1	....	....	....	....	....	....	1	....	....	....	1
Brampton, t.	3	1	....	....	....	....	....	....	1	....	....	....	1
Port Credit, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Perth	31	2	5	4	2	6	4	....	2	....	2	2	2
Rural	9	1	....	1	1	1	2	....	1	....	....	1	1
Urban	22	1	5	3	1	5	2	....	1	....	2	1	1
Stratford, c.	16	....	5	3	....	3	1	....	1	....	1	1	1
Listowel, t.	5	1	....	....	1	1	1	....	....	....	1	....	....
Mitchell, t.	1	....	....	....	....	1	....	....	....	....	....	....	....
St. Mary's, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Peterborough	39	6	3	4	2	3	4	2	2	4	3	5	1
Rural	5	2	1	....	....	1	....	....	....	....	1	....	....
Urban	34	4	2	4	2	2	4	2	2	4	2	5	1
Peterborough, c.	33	4	2	4	2	2	4	2	2	4	2	5	....
Havelock, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Lakefield, vl.	1	....	....	....	....	....	....	....	....	....	....	....	1

Table 23—Deaths of Children under One Year (exclusive of Stillbirths) in Ontario, by Months, Classified as Rural and Urban, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prescott	55	5	12	8	6	4	3	3	3	4	2	3	2
Rural	36	2	10	4	4	3	3	1	2	3	2	2	....
Urban	19	3	2	4	2	1	....	2	1	1	....	1	2
Hawkesbury, t.	14	3	1	3	1	1	....	1	1	....	....	1	2
Vankleek Hill, t.	5	....	1	1	1	....	....	1	....	1	....	....	....
Prince Edward	14	3	4	....	2	1	....	....	....	1	1	2	....
Rural	7	3	1	....	2	....	....	....	....	....	....	1	....
Urban	7	....	3	....	....	1	....	....	....	1	1	1	....
Picton, t.	7	....	3	....	....	1	....	....	....	1	1	1	....
Rainy River	17	2	1	....	2	....	1	1	2	2	2	....	4
Rural	8	2	1	....	....	....	....	1	....	....	1	....	3
Urban	9	....	....	....	2	....	1	....	2	2	1	....	1
Fort Francis, t.	5	....	....	....	1	....	1	....	....	2	1	....	....
Rainy River, t	4	....	....	....	1	....	....	....	2	....	....	....	1
Renfrew	52	2	4	3	5	4	8	3	5	6	2	3	7
Rural	21	1	1	1	2	3	6	1	2	1	1	....	2
Urban	31	1	3	2	3	1	2	2	3	5	1	3	5
Arnprior, t.	2	....	1	....	....	....	....	....	....	....	....	....	1
Pembroke, t.	19	....	1	1	....	1	2	1	2	5	1	1	4
Renfrew, t.	8	1	....	1	3	....	....	1	1	....	....	1	....
Barry's Bay, vl.	2	....	1	....	....	....	....	....	....	....	....	1	....
Eganville, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Russell	33	6	3	1	1	2	2	2	2	1	4	1	8
Rural	26	5	2	1	1	1	1	2	2	1	4	1	5
Urban	7	1	1	....	....	1	1	....	....	....	....	....	3
Rockland, t.	3	....	1	....	....	1	....	....	....	....	....	....	1
Casselman, vl.	4	1	....	....	....	....	1	....	....	....	....	....	2
Simcoe	64	7	7	6	5	2	4	6	4	6	6	6	5
Rural	21	1	4	2	2	1	2	1	2	1	....	2	3
Urban	43	6	3	4	3	1	2	5	2	5	6	4	2
Alliston, t.	4	....	1	....	....	....	....	1	....	2	....	....	....
Barrie, t.	8	....	1	....	1	....	....	....	1	2	1	2	....
Collingwood, t.	4	....	....	2	....	....	....	1	....	....	....	....	1
Midland, t.	5	2	....	....	....	1	1	....	....	1	....	....	....
Orillia, t.	14	3	....	2	1	....	....	2	....	....	4	1	1
Penetanguishene, t.	8	1	1	....	1	....	1	1	1	....	1	1	....
Stayner, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Stormont	53	7	2	2	9	1	3	5	8	1	9	3	3
Rural	18	1	2	1	3	....	2	3	4	....	1	1	....
Urban	35	6	....	1	6	1	1	2	4	1	8	2	3
Cornwall, t.	35	6	....	1	6	1	1	2	4	1	8	2	3
Sudbury	137	17	13	11	15	8	11	5	8	17	11	9	12
Rural	55	9	9	4	2	2	5	5	2	6	6	1	4
Urban	82	8	4	7	13	6	6	....	6	11	5	8	8
Sudbury, c.	81	7	4	7	13	6	6	....	6	11	5	8	8
Capreol, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Coniston, t.	1	1	....	....	....	....	....	....	....	....	....	....	....
Coppercliff, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Thunder Bay	80	12	8	10	9	5	2	6	7	6	5	5	5
Rural	12	1	1	1	2	....	....	1	2	3	....	1	....
Urban	68	11	7	9	7	5	2	5	5	3	5	4	5
Fort William, c.	24	4	....	2	3	3	1	2	2	....	2	2	3
Port Arthur, c.	40	7	7	7	4	2	1	3	3	....	2	2	2
Geraldton, vl.	4	....	....	....	....	....	....	....	....	3	1	....	....
Timiskaming	63	11	5	4	4	6	2	5	8	6	6	1	5
Rural	24	3	3	....	3	2	1	2	4	3	2	....	1
Urban	39	8	2	4	1	4	1	3	4	3	4	1	4
Cobalt, t.	3	....	....	....	....	1	....	1	1	....	....	....	....
Haileybury, t.	5	1	....	....	....	....	1	....	....	....	2	....	1
New Liskeard, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Kirkland Lake	31	7	2	4	1	3	....	2	3	3	2	1	3
Victoria	21	3	3	4	3	2	1	....	1	1	1	1	1
Rural	6	....	....	1	2	1	....	....	....	....	1	1	....
Urban	15	3	3	3	1	1	1	....	1	1	....	....	1
Lindsay, t.	15	3	3	3	1	1	1	....	1	1	....	....	1
Waterloo	50	11	4	3	2	4	3	....	5	4	7	2	5
Rural	9	3	....	....	....	1	1	....	1	1	2	....	....
Urban	41	8	4	3	2	3	2	....	4	3	5	2	5
Galt, c.	10	1	1	1	....	2	....	....	2	1	1	....	1
Kitchener, c.	29	7	3	2	2	....	2	....	2	2	4	2	3
Elmira, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Hespeler, t.	1	....	....	....	....	....	....	....	....	....	....	....	1
Preston, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Waterloo, t.	1	....	....	....	....	1	....	....	....	....	....	....	....
New Hamburg, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Welland	56	5	4	10	8	5	3	5	4	3	4	2	3
Rural	11	....	2	3	1	1	1	1	1	....	....	....	1
Urban	45	5	2	7	7	4	2	4	3	3	4	2	2
Niagara Falls, c.	15	2	1	2	2	....	2	1	1	2	1	....	1
Welland, c.	17	1	....	3	1	3	....	2	1	1	2	2	1
Fort Erie, t.	5	....	1	1	2	....	....	....	....	....	1	....	....
Port Colborne, t.	2	....	....	1	1	....	....	....	....	....	....	....	....
Thorold, t.	4	1	....	....	1	....	....	1	1	....	....	....	....
Chippawa, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Humberstone, vl.	2	1	....	....	....	1	....	....	....	....	....	....	....

Table 23—Deaths of Children under One Year (exclusive of Stillbirths) in Ontario, by Months, Classified as Rural and Urban, 1939—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Wellington	44	2	6	9	3	3	2	6	2	1	2	4	4
Rural	22	1	2	5	1	1	....	5	1	....	1	3	2
Urban	22	1	4	4	2	2	2	1	1	1	1	1	2
Guelph, c.	12	1	4	1	1	2	....	1	....	1	....	1	....
Harriston, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Mount Forest, t.	1	....	....	1	....	....	....	....	....	....	....	....	....
Palmerston, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Arthur, vl.	4	....	....	1	1	....	1	....	....	....	1	....	....
Elora, vl.	1	....	....	....	....	....	....	....	1	....	....	....	....
Fergus, vl.	4	....	....	1	....	....	1	....	....	....	....	....	2
Wentworth	96	8	10	14	9	8	7	7	3	3	14	4	9
Rural	5	....	....	....	....	1	....	1	....	1	2	....	....
Urban	91	8	10	14	9	7	7	6	3	2	12	4	9
Hamilton, c.	90	8	10	14	9	7	7	6	3	2	12	3	9
Dundas, t.	1	....	....	....	....	....	....	....	....	....	....	1	....
York	506	58	47	46	48	55	36	34	31	39	45	33	34
Rural	57	4	7	5	4	5	4	5	1	6	4	6	6
Urban	449	54	40	41	44	50	32	29	30	33	41	27	28
Toronto, c.	438	52	40	40	44	49	30	28	28	33	40	27	27
Aurora, t.	....	....	....	....	....	....	....	....	....	....	....	....	....
Long Branch, t.	2	....	....	....	....	....	....	....	....	....	1	....	1
Mimico, t.	2	....	....	....	....	....	1	....	1	....	....	....	....
Newmarket, t.	2	....	....	....	....	....	....	1	1	....	....	....	....
New Toronto, t.	1	....	....	....	....	....	1	....	....	....	....	....	....
Weston, t.	2	1	....	1	....	....	....	....	....	....	....	....	....
Forest Hill, vl.	1	1	....	....	....	....	....	....	....	....	....	....	....
Markham, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Richmond Hill, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
Stouffville, vl.	1	....	....	....	....	1	....	....	....	....	....	....	....
Swansea, vl.	....	....	....	....	....	....	....	....	....	....	....	....	....
District of Patricia	....	....	....	....	....	....	....	....	....	....	....	....	....

Table 24—Total Deaths (exclusive of Stillbirths) and Deaths in Institutions of Children Under One Year of Age, Showing the Number Non-Resident in the Province of Ontario, 1939

	All Deaths under One Year						In Institutions					
	Total			Non-resident in Province			Total			Non-resident in Province		
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Total for the Province	2,979	1,748	1,231	21	14	7	1,630	961	669	19	13	6

Table 25—Total Deaths (exclusive of Stillbirths) and Deaths in Institutions of Cities, Towns and Villages of Ontario

Cities, Towns and Villages	ALL DEATHS UNDER ONE YEAR												DEATHS		
	Total			Residents			Non-resident in City, Town or Village where Death Occurred and						Total		
							Resident in Province			Non-resident in Province					
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Cities:															
Belleville	32	18	14	16	9	7	16	9	7	....	....	....	29	16	13
Brantford	38	21	17	29	18	11	9	3	6	....	....	....	33	21	12
Chatham	32	19	13	14	5	9	18	14	4	....	....	....	27	19	8
Fort William	24	15	9	16	9	7	8	6	2	....	....	....	20	12	8
Galt	10	6	4	7	4	3	3	2	1	....	....	....	8	5	3
Guelph	12	7	5	8	4	4	4	3	1	....	....	....	9	5	4
Hamilton	90	51	39	73	44	29	17	7	10	....	....	....	75	44	31
Kingston	40	25	15	29	19	10	11	6	5	....	....	....	34	21	13
Kitchener	29	14	15	19	8	11	10	6	4	....	....	....	21	11	10
London	80	47	33	47	29	18	33	18	15	....	....	....	73	42	31
Niagara Falls	15	9	6	13	8	5	2	1	1	....	....	....	11	7	4
North Bay	17	13	4	10	8	2	7	5	2	....	....	....	11	9	2
Oshawa	17	9	8	13	7	6	4	2	2	....	....	....	11	5	6
Ottawa	163	89	74	128	67	61	25	16	9	10	6	4	137	75	62
Owen Sound	23	14	9	11	7	4	12	7	5	....	....	....	15	9	6
Peterborough	33	23	10	26	17	9	7	6	1	....	....	....	29	21	8
Port Arthur	40	22	18	27	15	12	13	7	6	....	....	....	31	16	15
St. Catharines	31	16	15	17	9	8	14	7	7	....	....	....	26	13	13
St. Thomas	8	5	3	4	3	1	4	2	2	....	....	....	6	3	3
Sarnia	22	13	9	13	6	7	9	7	2	....	....	....	19	11	8
Sault Ste. Marie	31	19	12	24	16	8	7	3	4	....	....	....	20	12	8
Stratford	16	8	8	12	5	7	4	3	1	....	....	....	14	8	6
Sudbury	81	50	31	59	35	24	22	15	7	....	....	....	58	38	20
Toronto	438	255	183	307	172	135	131	83	48	....	....	....	381	224	157
Welland	17	11	6	9	7	2	8	4	4	....	....	....	12	8	4
Windsor	76	44	32	58	33	25	18	11	7	....	....	....	61	35	26
Woodstock	14	7	7	10	4	6	4	3	1	....	....	....	11	7	4
Towns:															
Barrie	8	3	5	6	3	3	2	....	2	....	....	....	7	2	5
Brampton	3	3	....	1	1	....	2	2	....	....	....	....	3	3	....
Brockville	21	13	8	7	3	4	12	9	3	2	1	1	19	12	7
Cobourg	6	4	2	4	2	2	2	2	....	....	....	....	4	2	2
Collingwood	4	3	1	1	1	....	3	2	1	....	....	....	3	2	1
Cornwall	35	20	15	26	14	12	7	4	3	2	2	....	26	14	12
Dundas	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
Eastview	11	2	9	11	2	9	....	....	....	....	....	....	....	....	....
Fort Erie	5	2	3	5	2	3	....	....	....	....	....	....	3	2	1
Fort Francis	5	3	2	5	3	2	....	....	....	....	....	....	2	1	1
Hawkesbury	14	12	2	9	8	1	2	1	1	3	3	....	6	5	1
Ingersoll	3	2	1	2	1	1	1	1	....	....	....	....	2	2	....
Kenora	17	11	6	9	6	3	8	5	3	....	....	....	17	11	6
Leamington	5	5	....	5	5	....	....	....	....	....	....	....	3	3	....
Lindsay	15	12	3	8	7	1	7	5	2	....	....	....	13	11	2
Midland	5	3	2	4	3	1	1	....	1	....	....	....	4	2	2
Mimico	2	1	1	....	....	....	2	1	1	....	....	....	2	1	1
New Toronto	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
Orillia	14	6	8	9	2	7	5	4	1	....	....	....	11	4	7
Pembroke	19	12	7	13	8	5	4	3	1	2	1	1	15	10	5
Port Colborne	2	1	1	2	1	1	....	....	....	....	....	....	....	....	....
Preston	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Renfrew	8	2	6	6	1	5	2	1	1	....	....	....	3	1	2
Riverside	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
Simcoe	19	9	10	5	1	4	14	8	6	....	....	....	17	8	9
Smiths Falls	9	6	3	4	3	1	5	3	2	....	....	....	6	3	3
Thorold	4	2	2	3	1	2	1	1	....	....	....	....	3	2	1
Timmins	51	31	20	46	26	20	5	5	....	....	....	....	25	15	10
Trenton	7	3	4	7	3	4	....	....	....	....	....	....	....	....	....
Waterloo	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
Weston	2	1	1	2	1	1	....	....	....	....	....	....	1	1	....
Whitby	3	1	2	3	1	2	....	....	....	....	....	....	....	....	....
Villages:															
Forest Hill	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
Kirkland Lake	31	18	13	24	13	11	7	5	2	....	....	....	25	15	10
Swansea	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Children under One Year of Age, Classified according to Residence of Decedents in of 5,000 Population and Over, 1939

in Institutions									Deaths Elsewhere than in Institutions												
Residents			Non-resident in City, Town or Village Where Death Occurred and						Total			Residents			Non-resident in City, Town or Village Where Death Occurred and						
			Resident in Province			Non-resident in Province									Resident in Province			Non-resident in Province			
Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	
14	8	6	15	8	7	....	....	....	3	2	1	2	1	1	1	1	....	....	....	....	
24	18	6	9	3	6	....	....	....	5	....	5	5	....	5	....	....	....	....	....	....	
9	5	4	18	14	4	....	....	....	5	....	5	5	....	5	....	....	....	....	....	....	
13	6	7	7	6	1	....	....	....	4	3	1	3	3	....	1	....	1	....	....	....	
5	3	2	3	2	1	....	....	....	2	1	1	2	1	1	....	....	....	....	....	....	
5	2	3	4	3	1	....	....	....	3	2	1	3	2	1	....	....	....	....	....	....	
58	37	21	17	7	10	....	....	....	15	7	8	15	7	8	....	....	....	....	....	....	
23	15	8	11	6	5	....	....	....	6	4	2	6	4	2	....	....	....	....	....	....	
11	5	6	10	6	4	....	....	....	8	3	5	8	3	5	....	....	....	....	....	....	
40	24	16	33	18	15	....	....	....	7	5	2	7	5	2	....	....	....	....	....	....	
9	6	3	2	1	1	....	....	....	4	2	2	4	2	2	....	....	....	....	....	....	
4	4	....	7	5	2	....	....	....	6	4	2	6	4	2	....	....	....	....	....	....	
7	3	4	4	2	2	....	....	....	6	4	2	6	4	2	....	....	....	....	....	....	
102	53	49	25	16	9	10	6	4	26	14	12	26	14	12	....	....	....	....	....	....	
7	5	2	8	4	4	....	....	....	8	5	3	4	2	2	4	3	1	....	....	....	
22	15	7	7	6	1	....	....	....	4	2	2	4	2	2	....	....	....	....	....	....	
20	10	10	11	6	5	....	....	....	9	6	3	7	5	2	2	1	1	....	....	....	
12	6	6	14	7	7	....	....	....	5	3	2	5	3	2	....	....	....	....	....	....	
2	1	1	4	2	2	....	....	....	2	2	....	2	2	....	....	....	....	....	....	....	
10	4	6	9	7	2	....	....	....	3	2	1	3	2	1	....	....	....	....	....	....	
14	9	5	6	3	3	....	....	....	11	7	4	10	7	3	1	....	1	....	....	....	
10	5	5	4	3	1	....	....	....	2	....	2	2	....	2	....	....	....	....	....	....	
36	23	13	22	15	7	....	....	....	23	12	11	23	12	11	....	....	....	....	....	....	
251	141	110	130	83	47	....	....	....	57	31	26	56	31	25	1	....	1	....	....	....	
5	4	1	7	4	3	....	....	....	5	3	2	4	3	1	1	....	1	....	....	....	
43	24	19	18	11	7	....	....	....	15	9	6	15	9	6	....	....	....	....	....	....	
7	4	3	4	3	1	....	....	....	3	....	3	3	....	3	....	....	....	....	....	....	
5	2	3	2	....	2	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	
1	1	....	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
5	2	3	12	9	3	2	1	1	2	1	1	2	1	1	....	....	....	....	....	....	
2	....	2	2	2	....	....	....	....	2	2	....	2	2	....	....	....	....	....	....	....	
....	....	....	3	2	1	....	....	....	1	1	....	1	1	....	....	....	....	....	....	....	
17	8	9	7	4	3	2	2	....	9	6	3	9	6	3	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	11	2	9	11	2	9	....	....	....	....	....	....	
3	2	1	....	....	....	....	....	....	2	....	2	2	....	2	....	....	....	....	....	....	
2	1	1	....	....	....	....	....	....	3	2	1	3	2	1	....	....	....	....	....	....	
1	1	....	2	1	1	3	3	....	8	7	1	8	7	1	....	....	....	....	....	....	
1	1	....	1	1	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
9	6	3	8	5	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
3	3	....	....	....	....	....	....	....	2	2	....	2	2	....	....	....	....	....	....	....	
6	6	....	7	5	2	....	....	....	2	1	1	2	1	1	....	....	....	....	....	....	
3	2	1	1	....	1	....	....	....	1	1	....	1	1	....	....	....	....	....	....	....	
....	....	....	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
6	....	6	5	4	1	....	....	....	3	2	1	3	2	1	....	....	....	....	....	....	
9	6	3	4	3	1	2	1	1	4	2	2	4	2	2	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	2	1	1	2	1	1	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
2	1	1	1	....	1	....	....	....	5	1	4	4	....	4	1	1	....	....	....	....	
....	....	....	....	....	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
3	....	3	14	8	6	....	....	....	2	1	1	2	1	1	....	....	....	....	....	....	
1	....	1	5	3	2	....	....	....	3	3	....	3	3	....	....	....	....	....	....	....	
2	1	1	1	1	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
20	10	10	5	5	....	....	....	....	26	16	10	26	16	10	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	7	3	4	7	3	4	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
1	1	....	....	....	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	3	1	2	3	1	2	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	1	....	1	1	....	1	....	....	....	....	....	....	
18	10	8	7	5	2	....	....	....	6	3	3	6	3	3	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	

Table 26—Deaths of Children under One Year (exclusive of Stillbirths), by Age at Death, in the Province of Ontario, 1939

Ages		Total
All infants		2,979
	M.	1,748
	F.	1,231
Under 1 day		744
	M.	456
	F.	288
1 day		236
	M.	123
	F.	113
2 days		175
	M.	99
	F.	76
3 days		109
	M.	70
	F.	39
4 days		65
	M.	37
	F.	28
5 days		46
	M.	29
	F.	17
6 days		41
	M.	21
	F.	20
Under 1 week		1,416
	M.	835
	F.	581
1 week and under 2 weeks		163
	M.	80
	F.	83
2 weeks and under 3 weeks		106
	M.	59
	F.	47
3 weeks and under 1 month		92
	M.	52
	F.	40
Under 1 month		1,777
	M.	1,026
	F.	751
1 month and under 2 months		252
	M.	154
	F.	98
2 months and under 3 months		183
	M.	126
	F.	57
3 months and under 4 months		149
	M.	94
	F.	55
4 months and under 5 months		131
	M.	86
	F.	45
5 months and under 6 months		107
	M.	59
	F.	48
6 months and under 7 months		92
	M.	50
	F.	42
7 months and under 8 months		80
	M.	50
	F.	30
8 months and under 9 months		73
	M.	36
	F.	37
9 months and under 10 months		50
	M.	27
	F.	23
10 months and under 11 months		41
	M.	21
	F.	20
11 months and under 12 months		44
	M.	19
	F.	25

Table 27—Deaths of Children under One Year of Age (exclusive of Stillbirths) Classified According to Racial Origin of Decedents, in the Province of Ontario, 1939

Racial Origins	Total
All origins	2,979
English	1,033
Irish	421
Scottish	320
Welsh	12
French	619
Armenian	1
Austrian	6
Belgian	5
Bulgarian	...
Chinese	1
Czech and Slovak	16
Danish	2
Dutch	35
Finish	16
German	109
Greek	4
Hindu	...
Hungarian	22
Icelandic	3
Indian	115
Italian	35
Japanese	...
Jewish	18
Negro	17
Norwegian	7
Polish	38
Roumanian	4
Russian	12
Serb and Croat	14
Swedish	14
Swiss	5
Syrian	4
Ukrainian*	29
Other	2
Not specified	40

*Including "Galician" and "Bukovinian."

Table 28—Deaths of Children under One Year of Age (exclusive of Stillbirths) Classified According to Birthplaces of Parents, in the Province of Ontario, 1939

Birthplace of Father	Total Fathers	BIRTHPLACE OF MOTHER																																					
		Canada										British Isles					British Possessions		Europe															Asia					
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other	Newfoundland	Other	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Italy	Norway	Poland	Roumania	Russia*	Sweden	Other	China	Japan	Other	United States	Various	Not specified
Canada	2,240	1	8	13	153	1795	34	19	7	4	45	57	14	24	1	...	3	...	...	...	2	1	...	1	1	...	1	...	...	...	1	...	...	...	...	...	55	...	...
Prince Edward Island	3	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nova Scotia	14	...	1	...	...	10	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
New Brunswick	15	...	1	4	1	8	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quebec	193	...	...	3	95	78	3	...	...	...	...	4	...	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...
Ontario	1,899	...	6	5	55	1653	15	13	5	4	5	47	14	20	1	...	3	...	...	...	1	1	...	1	...	...	1	...	...	...	1	...	...	...	...	...	48	...	...
Manitoba	35	...	...	...	...	20	13	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Saskatchewan	24	...	...	...	...	13	2	6	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Alberta	6	...	...	...	...	5	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
British Columbia	4	...	...	...	...	3	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Province not specified	47	...	...	...	2	4	...	...	...	...	40	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
British Isles	295	...	5	...	4	171	6	1	...	...	11	61	9	20	1	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...
England	198	...	5	...	2	117	4	1	...	...	8	50	2	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Ireland	29	...	...	...	...	12	1	...	...	...	2	5	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...
Scotland	60	...	...	...	2	34	1	...	...	...	1	6	1	12	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wales	7	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
British Possessions	18	...	2	...	...	6	...	...	...	...	...	2	4	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newfoundland	12	...	1	...	...	3	...	...	...	...	...	1	3	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other	6	...	1	...	...	3	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Europe	187	...	...	1	2	39	3	1	1	...	1	...	1	2	...	...	...	...	6	3	1	6	1	3	4	14	11	...	29	3	18	3	32	...	...	...	2	...	...
Austria	11	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	5	...	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Belgium	5	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Denmark	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Finland	8	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
France	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Germany	5	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Holland	5	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hungary	19	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	13	...	...	...	1	...	...	1	...	...	...	...	...	...
Italy	23	...	...	...	1	8	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	1	...	...
Norway	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poland	36	...	...	...	...	5	3	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	22	1	1	...	1	...	...	...	...	...	...
Roumania	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	...	...	...	...	...	...	...	...
Russia*	23	...	...	...	1	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	16	...	...	...	...	...	1	...	...

Sweden	6	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
Other	36	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	30	...	...	...	...	...	...
Asia	4	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
China	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Japan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other	3	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
United States	67	...	1	...	6	45	2	...	...	...	2	2	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Various	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	..
Not specified	168	...	...	1	9	130	...	...	1	...	6	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	1	..	15
Total Mothers	2,979	1	16	15	175	2188	45	21	9	4	65	122	29	50	2	...	7	...	6	3	3	8	3	4	5	14	12	1	30	3	19	3	34	..	..	1	66	..	15

*Including the Ukraine.

Table 29—Deaths of Children (exclusive of Stillbirths) from Certain Specified Causes in First Year of Life by Sex and Calendar Month of Death, Ontario, 1939

CAUSES OF DEATH	Total under 1 year			MONTH OF DEATH																							
				Jan.		Feb.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Total	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
ALL CAUSES. **Total**	**2,979**	**1748**	**1231**	**195**	**134**	**169**	**120**	**168**	**110**	**162**	**118**	**164**	**105**	**132**	**88**	**112**	**92**	**113**	**92**	**130**	**93**	**146**	**110**	**114**	**71**	**143**	**98**
7. Measles	8	4	4	....	1	....	....	....	....	1	....	1	1	....	1	1	1	....	....	....	....	....	....	....	....	1	....
8. Scarlet fever	3	2	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....
9. Whooping-cough	54	31	23	3	1	6	2	5	4	2	2	6	....	5	2	1	2	1	4	1	3	....	2	1	....	....	1
10. Diphtheria	1	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11. Influenza	70	46	24	8	2	7	6	14	9	6	4	2	1	1	....	....	....	1	....	1	....	3	....	....	....	3	2
13. Dysentery	9	2	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	4	....	2	....	....	1	....
15 Erysipelas	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16. Poliomyelitis and polioencephalitis (acute)	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....
18. Epidemic cerebrospinal meningitis	4	2	2	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
23. Tuberculosis of the respiratory system	4	2	2	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	1	1	....	....	....	....
24. Tuberculosis of the meninges and central nervous system	3	2	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	1	....	....	....	....	....	....
25-32. Tuberculosis, other forms	5	3	2	....	1	....	....	....	....	1	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....
34. Syphilis	17	14	3	2	....	1	....	3	....	1	1	....	....	....	1	1	1	1	....	....	....	3	....	1	....	1	....
36. Purulent infection, septicaemia	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
67. Diseases of the thymus gland	57	33	24	3	5	2	1	6	1	4	3	2	3	1	1	1	1	1	2	2	1	4	4	2	1	5	1
79. Simple meningitis	18	9	9	1	1	....	....	....	....	....	1	2	1	....	2	2	1	....	1	....	....	1	1	....	....	3	1
86. Convulsions	15	11	4	....	....	....	2	2	....	1	....	....	1	2	....	1	....	1	....	....	....	2	....	1	....	1	1
89. Diseases of the ear and mastoid process	14	7	7	1	1	....	....	1	1	1	1	....	1	....	1	....	....	....	1	....	....	1	....	1	....	2	1
105A. Croup	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
106. Bronchitis	10	9	1	....	1	4	....	....	....	2	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....
107. Bronchopneumonia	242	145	97	28	13	29	23	14	7	13	11	14	8	7	8	4	1	4	2	7	7	10	4	4	7	11	6
108, 109. Pneumonia	90	47	43	6	10	6	7	8	5	3	2	3	3	2	1	2	3	1	1	4	1	3	3	5	5	4	2
115. Diseases of the buccal cavity and annexa and of the pharynx and tonsils (including adenoid vegetations)	9	4	5	1	1	1	....	1	....	....	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	1	....
116-118. Diseases of the stomach	14	6	8	....	....	....	....	....	....	....	2	1	2	....	....	1	....	....	....	1	2	....	....	1	1	2	1
119. Diarrhoea and enteritis	227	149	78	9	4	9	4	4	4	14	6	8	3	8	7	13	4	19	10	29	17	19	12	12	2	5	5
122. Hernia, intestinal obstruction	11	8	3	....	....	....	1	....	....	....	....	6	1	....	....	....	....	....	....	....	....	1	1	1	....	....	....
130. Nephritis	2	1	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....
157. Malformations	429	231	198	27	24	19	11	21	20	21	13	23	14	16	12	17	22	18	14	21	13	10	24	19	13	19	18
(A) Congenital hydrocephalus	50	30	20	3	2	3	1	2	3	2	3	2	2	2	2	3	2	7	1	3	....	....	1	1	2	2	1
(C) Congenital malformations of the heart	156	91	65	11	8	10	2	7	5	8	3	9	2	6	4	6	10	5	6	8	7	6	9	6	3	9	6
(B, D, E) Others under this title	223	110	113	13	14	6	8	12	12	11	7	12	10	8	6	8	10	6	7	10	6	4	14	12	8	8	11

158. Congenital debility	90	52	38	9	5	5	4	3	3	4	1	4	4	3	3	2	4	5	3	3	3	6	4	6	2	2	2
159. Premature birth	939	540	399	54	39	49	33	43	31	45	39	50	35	49	29	41	33	35	36	31	26	50	32	41	27	52	39
160. Injury at birth	261	161	100	17	11	10	12	14	8	19	13	22	11	18	5	7	8	7	8	13	5	14	4	9	9	11	6
161. Other diseases peculiar to early infancy (under 3 months)	214	129	85	14	4	11	7	14	8	10	11	13	10	9	7	11	5	11	6	8	8	11	8	8	2	9	9
(A-E) Specified diseases	205	124	81	13	4	11	7	14	6	9	11	13	10	9	7	10	5	10	6	8	7	11	8	7	2	9	8
(F) No cause given, no doctor in attendance	9	5	4	1	....	....	....	....	2	1	....	....	....	....	....	1	....	1	....	....	1	....	....	1	....	....	1
173–175. Homicide	10	8	2	2	....	1	....	1	....	2	1	....	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....
176–198. Other external causes	50	31	19	4	2	5	2	4	4	4	1	1	1	....	2	....	1	4	2	3	1	2	1	2	1	2	1
Other specified causes	83	50	33	5	4	3	4	7	4	7	3	4	2	9	5	2	2	2	1	3	....	2	6	....	....	6	2
199–200. Unspecified or ill-defined causes	11	7	4	....	....	1	1	2	....	....	1	....	....	....	....	....	1	1	....	1	....	1	1	....	....	1	....

Table 30—Deaths of Children (exclusive of Stillbirths) from Certain Specified

CAUSES OF DEATH	Total	Total under 1 year		Under 1 day		1 day & under 1 week		1 week & under 2 weeks		2 weeks & under 3 weeks	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
ALL CAUSES. **Total**	**2,979**	**1,748**	**1,231**	**456**	**288**	**379**	**293**	**80**	**83**	**59**	**47**
7. Measles	8	4	4	....	....	....	....	....	....	....	1
8. Scarlet fever	3	2	1	....	....	....	....	....	....	....	....
9. Whooping-cough	54	31	23	....	....	....	....	....	....	....	1
10. Diphtheria	1	......	1	....	....	....	....	....	....	....	....
11. Influenza	70	46	24	....	1	1	....	2	....	1	1
13. Dysentery	9	2	7	....	....	....	....	....	....	....	....
15. Erysipelas	1	......	1	....	....	....	....	....	....	....	....
16. Poliomyelitis and polioencephalitis (acute)	2	2	......	....	....	....	....	....	....	....	....
18. Epidemic cerebrospinal meningitis	4	2	2	....	....	....	....	....	....	....	....
23. Tuberculosis of the respiratory system	4	2	2	1	....	....	....	....	....	....	....
24. Tuberculosis of the meninges and central nervous system	3	2	1	....	....	....	....	....	....	....	....
25-32. Tuberculosis, other forms	5	3	2	....	....	....	....	....	....	....	....
34. Syphilis	17	14	3	3	....	2	....	1	....	1	....
36. Purulent infection, septicaemia	1	......	1	....	....	....	....	....	....	....	....
67. Diseases of the thymus gland	57	33	24	3	2	3	5	1	3	1	....
79. Simple meningitis	18	9	9	....	....	1	....	....	1	....	....
86. Convulsions	15	11	4	....	....	3	2	....	....	....	....
89. Diseases of the ear and mastoid process	14	7	7	....	....	....	....	....	....	....	1
105A. Croup	1	......	1	....	....	....	....	....	....	....	....
106. Bronchitis	10	9	1	....	....	....	....	....	....	....	....
107. Bronchopneumonia	242	145	97	....	....	6	5	6	6	4	1
108-109. Pneumonia	90	47	43	....	1	1	2	1	1	....	....
115. Diseases of the buccal cavity and annexa and of the pharynx and tonsils (including adenoid vegetations)	9	4	5	....	....	....	....	....	....	....	....
116-118. Diseases of the stomach	14	6	8	....	....	....	1	....	1	1	....
119. Diarrhoea and enteritis	227	149	78	....	....	2	1	2	7	6	3
122. Hernia, intestinal obstruction	11	8	3	....	....	....	....	....	....	....	....
130. Nephritis	2	1	1	....	....	....	....	....	....	....	....
157. Malformations	429	231	198	41	26	55	45	23	31	9	14
(A) Congenital hydrocephalus	50	30	20	8	2	2	3	2	4	1	....
(C) Congenital malformations of the heart	156	91	65	17	8	25	19	5	11	5	2
(B, D, E) Others under this title	223	110	113	16	16	28	23	16	16	3	12
158. Congenital debility	90	52	38	6	9	13	7	3	1	2	2
159. Premature birth	939	540	399	274	179	169	131	22	23	18	16
160. Injury at birth	261	161	100	71	42	67	51	11	2	4	1
161. Other diseases peculiar to early infancy (under 3 months)	214	129	85	48	25	48	41	6	5	7	5
(A-E) Specified diseases	205	124	81	45	24	48	39	6	5	7	5
(F) No cause given, no doctor in attendance	9	5	4	3	1	....	2	....	....	....	....
173-175. Homicide	10	8	2	7	1	....	1	....	....	....	....
176-198. Other external causes	50	31	19	...	....	....	....	....	1	1	....
Other specified causes	83	50	33	1	2	6	1	1	1	4	1
199, 200. Unspecified or ill-defined causes	11	7	4	1	....	2	....	1	....	....	....

Causes in First Year of Life, by Sex and Age at Death, Ontario, 1939

AGE AT DEATH

3 weeks & under 1 month		1 month & under 2 months		2 months & under 3 months		3 months & under 4 months		4 months & under 5 months		5 months & under 6 months		6 months & under 7 months		7 months & under 8 months		8 months & under 9 months		9 months & under 10 months		10 months & under 11 months		11 months & under 12 months	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
52	**40**	**154**	**98**	**126**	**57**	**94**	**55**	**86**	**45**	**59**	**48**	**50**	**42**	**50**	**30**	**36**	**37**	**27**	**23**	**21**	**20**	**19**	**25**
....	....	....	....	1	....	....	1	1	....	....	....	....	....	1	1	....	....	....	....	1	....	....	1
....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	1	....	....
....	....	3	....	8	1	4	1	4	2	1	8	3	1	3	2	3	2	1	1	1	3	....	1
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1	2	8	1	4	3	5	3	5	1	3	....	4	4	5	2	4	....	2	2	....	....	1	4
....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	3	....	1	1	....	....	....	....	1
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
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....	....	....	....	....	....	....	....	2	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....
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....	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....
1	....	3	1	1	....	....	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	1
....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1	1	1	5	6	3	10	3	1	....	2	1	1	....	2	....	....	....	....	....	....	1	1	....
....	1	2	1	1	2	2	2	2	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....
1	....	3	....	1	1	....	....	....	....	2	....	....	....	....	....	....	....	....	....	1	1	....	....
1	....	2	....	1	1	....	1	1	....	....	....	....	2	1	....	....	1	....	....	1	....	....	1
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
1	....	1	....	2	....	....	....	1	....	1	....	....	....	....	....	....	1	....	....	3	....	....	....
5	4	20	9	20	11	17	7	22	6	11	10	6	12	7	5	9	7	4	6	5	4	3	4
1	2	12	5	7	4	6	4	3	2	3	4	2	2	2	2	3	4	4	4	1	2	1	4
....	....	2	1	....	1	....	....	1	....	....	....	....	....	1	1	....	1	....	....	....	....	....	1
1	....	1	2	1	....	1	....	....	....	....	....	1	1	....	....	....	1	....	2	....	....	....	....
7	1	14	7	22	7	15	8	18	13	15	11	16	6	14	4	5	4	6	1	4	3	3	2
....	....	....	....	....	....	2	1	2	....	....	1	....	....	2	....	....	....	1	....	....	....	1	1
....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....
7	14	26	22	16	7	13	11	6	6	12	3	4	2	7	5	6	8	3	....	....	2	3	2
....	....	2	2	1	....	4	1	1	1	1	1	1	....	1	2	3	3	1	....	....	1	2	....
1	4	7	7	8	3	5	2	4	1	5	1	3	....	3	1	1	4	1	....	....	....	1	2
6	10	17	13	7	4	4	8	1	4	6	1	....	2	3	2	2	1	1	....	....	1	....	....
3	3	14	3	5	2	3	2	2	3	....	2	....	2	....	2	....	....	....	....	....	....	1	....
15	9	20	27	12	5	4	2	4	4	1	2	1	1	....	....	....	....	....	....	....	....	....	....
....	....	3	3	1	....	....	....	....	....	....	....	2	....	1	....	....	1	....	....	....	....	1	....
5	1	10	5	5	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5	1	8	4	5	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
....	1	5	3	4	1	6	2	7	1	1	5	2	1	1	1	1	1	....	2	2	....	1	....
2	1	3	2	7	2	6	3	2	4	5	1	3	5	1	....	3	3	3	2	1	3	2	2
....	....	....	....	1	....	....	1	2	1	....	....	....	....	....	1	....	....	....	1	....	....	....	....

Table 31—Total Deaths (exclusive of Stillbirths) and Deaths in Institutions, Showing the Number Non-Resident in the Province of Ontario, 1939

	All Deaths						In Institutions					
	Total			Non-resident in Province			Total			Non-resident in Province		
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Total for the Province	37,530	20,310	17,220	185	111	74	14,421	8,344	6,077	129	73	56

Table 32—Total Deaths (exclusive of Stillbirths) and Deaths in in Cities, Towns and Villages of

Cities and Towns	All Deaths												Deaths		
	Total			Residents			Non-resident in City, Town or Village where Death Occurred and						Total		
							Resident in Province			Non-resident in Province					
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Cities:															
Belleville	263	138	125	169	80	89	94	58	36	...	...	...	154	94	60
Brantford	425	222	203	361	186	175	64	36	28	...	...	...	218	128	90
Chatham	317	183	134	170	90	80	147	93	54	...	...	...	200	123	77
Fort William	225	134	91	165	92	73	59	42	17	1	...	1	155	96	59
Galt	189	90	99	151	68	83	38	22	16	...	...	...	88	45	43
Guelph	203	102	101	160	77	83	43	25	18	...	...	...	94	51	43
Hamilton	1588	842	746	1386	728	658	199	112	87	3	2	1	862	470	392
Kingston	487	250	237	330	153	177	155	95	60	2	2	...	333	184	149
Kitchener	376	193	183	285	144	141	90	48	42	1	1	...	215	114	101
London	1167	605	562	854	427	427	313	178	135	...	...	...	760	409	351
Niagara Falls	208	103	105	177	86	91	31	17	14	...	...	...	107	56	51
North Bay	124	79	45	85	53	32	37	25	12	2	1	1	73	52	21
Oshawa	199	95	104	169	78	91	30	17	13	...	...	...	90	47	43
Ottawa	1811	965	846	1527	789	738	228	144	84	56	32	24	1129	636	493
Owen Sound	214	105	109	160	73	87	54	32	22	...	...	...	88	50	38
Peterborough	333	184	149	256	143	113	77	41	36	...	...	...	195	112	83
Port Arthur	255	152	103	176	99	77	79	53	26	...	...	...	183	113	70
St. Catharines	322	169	153	241	117	124	80	51	29	1	1	...	166	95	71
St. Thomas	253	118	135	194	90	104	59	28	31	...	...	...	124	63	61
Sarnia	218	110	108	158	76	82	60	34	26	...	...	...	105	59	46
Sault Ste. Marie	256	154	102	204	121	83	51	32	19	1	1	...	121	79	42
Stratford	237	126	111	187	95	92	50	31	19	...	...	...	121	74	47
Sudbury	271	173	98	186	114	72	83	57	26	2	2	...	177	119	58
Toronto	7122	3746	3376	6015	3069	2946	1094	669	425	13	8	5	3809	2230	1579
Welland	164	99	65	91	57	34	73	42	31	...	...	...	103	65	38
Windsor	882	482	400	739	401	338	143	81	62	...	...	...	502	286	216
Woodstock	222	122	100	139	70	69	83	52	31	...	...	...	133	80	53
Towns:															
Barrie	100	53	47	78	38	40	22	15	7	...	...	...	42	29	13
Brampton	89	48	41	65	30	35	24	18	6	...	...	...	31	24	7
Brockville	199	91	108	127	56	71	68	33	35	4	2	2	119	53	66
Cobourg	106	50	56	87	40	47	19	10	9	...	...	...	49	21	28
Collingwood	106	49	57	67	33	34	38	15	23	1	1	...	55	22	33
Cornwall	244	133	111	161	84	77	74	45	29	9	4	5	152	83	69
Dundas	56	29	27	55	28	27	1	1	...	...	...	...	20	13	7
Eastview	39	15	24	37	13	24	2	2	...	...	...	...	...	...	...
Fort Erie	72	39	33	60	31	29	12	8	4	...	...	...	34	19	15
Fort Francis	37	29	8	31	24	7	6	5	1	...	...	...	17	13	4
Hawkesbury	79	52	27	58	38	20	9	5	4	12	9	3	36	21	15
Ingersoll	78	46	32	65	39	26	13	7	6	...	...	...	28	18	10
Kenora	102	64	38	58	33	25	34	24	10	10	7	3	78	49	29
Leamington	50	24	26	40	20	20	10	4	6	...	...	...	17	10	7
Lindsay	146	91	55	85	51	34	61	40	21	...	...	...	89	61	28
Midland	80	49	31	61	35	26	19	14	5	...	...	...	32	21	11
Mimico	40	18	22	34	16	18	6	2	4	...	...	...	3	1	2
New Toronto	147	82	65	33	15	18	113	66	47	1	1	...	119	68	51
Orillia	178	87	91	138	61	77	40	26	14	...	...	...	86	48	38
Pembroke	186	111	75	106	60	46	64	42	22	16	9	7	127	78	49
Port Colborne	34	19	15	31	16	15	3	3	...	...	...	...	...	...	...
Preston	35	21	14	32	18	14	3	3	...	...	...	...	4	2	2
Renfrew	86	41	45	68	34	34	18	7	11	...	...	...	28	15	13
Riverside	18	12	6	17	11	6	1	1	...	...	...	...	...	...	...
Simcoe	136	74	62	65	33	32	71	41	30	...	...	...	88	47	41
Smiths Falls	107	49	58	84	36	48	23	13	10	...	...	...	48	24	24
Thorold	45	25	20	34	18	16	11	7	4	...	...	...	17	8	9
Timmins	194	119	75	174	104	70	20	15	5	...	...	...	106	69	37
Trenton	55	25	30	51	24	27	4	1	3	...	...	...	...	...	...
Waterloo	49	31	18	47	29	18	2	2	...	...	...	...	...	...	...
Weston	41	21	20	35	16	19	5	5	...	1	...	1	1	1	..
Whitby	175	95	80	53	31	22	122	64	58	...	...	...	140	74	66
Villages:															
Forest Hill	39	19	20	38	19	19	1	...	1	...	...	...	...	...	...
Kirkland Lake	136	84	52	107	65	42	27	17	10	2	2	...	81	50	31
Swansea	31	12	19	28	10	18	3	2	1	...	...	...	...	...	...

Institutions, Classified according to Residence of Decedents
Ontario of 5,000 Population and Over, 1939

in Institutions									Deaths Elsewhere than in Institutions											
Residents			Non-resident in City, Town or Village where Death Occurred and						Total			Residents			Non-resident in City, Town or Village where Death Occurred and					
			Resident in Province			Non-resident in Province									Resident in Province			Non-resident in Province		
Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
66	41	25	88	53	35	....	....	....	109	44	65	103	39	64	6	5	1	....	....	....
159	96	63	59	32	27	....	....	....	207	94	113	202	90	112	5	4	1	....	....	....
60	34	26	140	89	51	....	....	....	117	60	57	110	56	54	7	4	3	....	....	....
101	58	43	53	38	15	1	....	1	70	38	32	64	34	30	6	4	2	....	....	....
54	25	29	34	20	14	....	....	....	101	45	56	97	43	54	4	2	2	....	....	....
53	26	27	41	25	16	....	....	....	109	51	58	107	51	56	2	....	2	....	....	....
683	369	314	177	99	78	2	2	....	726	372	354	703	359	344	22	13	9	1	....	1
181	90	91	151	93	58	1	1	....	154	66	88	149	63	86	4	2	2	1	1	....
128	67	61	86	46	40	1	1	....	161	79	82	157	77	80	4	2	2	....	....	....
457	235	222	303	174	129	....	....	....	407	196	211	397	192	205	10	4	6	....	....	....
81	41	40	26	15	11	....	....	....	101	47	54	96	45	51	5	2	3	....	....	....
36	26	10	35	25	10	2	1	1	51	27	24	49	27	22	2	....	2	....	....	....
60	30	30	30	17	13	....	....	....	109	48	61	109	48	61	....	....	....	....	....	....
852	464	388	223	142	81	54	30	24	682	329	353	675	325	350	5	2	3	2	2	....
46	26	20	42	24	18	....	....	....	126	55	71	114	47	67	12	8	4	....	....	....
125	75	50	70	37	33	....	....	....	138	72	66	131	68	63	7	4	3	....	....	....
112	66	46	71	47	24	....	....	....	72	39	33	64	33	31	8	6	2	....	....	....
90	47	43	75	47	28	1	1	....	156	74	82	151	70	81	5	4	1	....	....	....
72	37	35	52	26	26	....	....	....	129	55	74	122	53	69	7	2	5	....	....	....
54	28	26	51	31	20	....	....	....	113	51	62	104	48	56	9	3	6	....	....	....
78	49	29	43	30	13	....	....	....	135	75	60	126	72	54	8	2	6	1	1	....
76	45	31	45	29	16	....	....	....	116	52	64	111	50	61	5	2	3	....	....	....
101	68	33	76	51	25	....	....	....	94	54	40	85	46	39	7	6	1	2	2	....
2784	1596	1188	1017	629	388	8	5	3	3313	1516	1797	3231	1473	1758	77	40	37	5	3	2
37	27	10	66	38	28	....	....	....	61	34	27	54	30	24	7	4	3	....	....	....
370	212	158	132	74	58	....	....	....	380	196	184	369	189	180	11	7	4	....	....	....
53	29	24	80	51	29	....	....	....	89	42	47	86	41	45	3	1	2	....	....	....
22	16	6	20	13	7	....	....	....	58	24	34	56	22	34	2	2	....	....	....	....
11	9	2	20	15	5	....	....	....	58	24	34	54	21	33	4	3	1	....	....	....
51	20	31	66	32	34	2	1	1	80	38	42	76	36	40	2	1	1	2	1	1
31	12	19	18	9	9	....	....	....	57	29	28	56	28	28	1	1	....	....	....	....
20	8	12	35	14	21	....	....	....	51	27	24	47	25	22	3	1	2	1	1	....
76	39	37	67	40	27	9	4	5	92	50	42	85	45	40	7	5	2	....	....	....
20	13	7	....	....	....	....	....	....	36	16	20	35	15	20	1	1	....	....	....	....
....	....	....	....	....	....	....	....	....	39	15	24	37	13	24	2	2	....	....	....	....
25	13	12	9	6	3	....	....	....	38	20	18	35	18	17	3	2	1	....	....	....
11	8	3	6	5	1	....	....	....	20	16	4	20	16	4	....	....	....	....	....	....
18	9	9	7	4	3	11	8	3	43	31	12	40	29	11	2	1	1	1	1	....
16	12	4	12	6	6	....	....	....	50	28	22	49	27	22	1	1	....	....	....	....
43	25	18	31	22	9	4	2	2	24	15	9	15	8	7	3	2	1	6	5	1
9	6	3	8	4	4	....	....	....	33	14	19	31	14	17	2	....	2	....	....	....
32	25	7	57	36	21	....	....	....	57	30	27	53	26	27	4	4	....	....	....	....
15	8	7	17	13	4	....	....	....	48	28	20	46	27	19	2	1	1	....	....	....
....	....	....	3	1	2	....	....	....	37	17	20	34	16	18	3	1	2	....	....	....
8	4	4	110	63	47	1	1	....	28	14	14	25	11	14	3	3	....	....	....	....
51	23	28	35	25	10	....	....	....	92	39	53	87	38	49	5	1	4	....	....	....
51	30	21	60	39	21	16	9	7	59	33	26	55	30	25	4	3	1	....	....	....
....	....	....	....	....	....	....	....	....	34	19	15	31	16	15	3	3	....	....	....	....
3	1	2	1	1	....	....	....	....	31	19	12	29	17	12	2	2	....	....	....	....
15	9	6	13	6	7	....	....	....	58	26	32	53	25	28	5	1	4	....	....	....
....	....	....	....	....	....	....	....	....	18	12	6	17	11	6	1	1	....	....	....	....
19	7	12	69	40	29	....	....	....	48	27	21	46	26	20	2	1	1	....	....	....
27	13	14	21	11	10	....	....	....	59	25	34	57	23	34	2	2	....	....	....	....
9	4	5	8	4	4	....	....	....	28	17	11	25	14	11	3	3	....	....	....	....
86	54	32	20	15	5	....	....	....	88	50	38	88	50	38	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	55	25	30	51	24	27	4	1	3	....	....	....
....	....	....	....	....	....	....	....	....	49	31	18	47	29	18	2	2	....	....	....	....
1	1	....	....	....	....	....	....	....	40	20	20	34	15	19	5	5	....	1	....	1
19	11	8	121	63	58	....	....	....	35	21	14	34	20	14	1	1	....	....	....	....
....	....	....	....	....	....	....	....	....	39	19	20	38	19	19	1	....	1	....	....	....
55	33	22	24	15	9	2	2	....	55	34	21	52	32	20	3	2	1	....	....	....
....	....	....	....	....	....	....	....	....	31	12	19	28	10	18	3	2	1	....	....	....

Table 33—Deaths (exclusive of Stillbirths) by Single Years of Age and by Age Groups in the Province of Ontario, 1939

AGES	TOTAL FOR PROVINCE		
	Total	Male	Female
All ages	37,530	20,310	17,220
Under 1 year	2,979	1,748	1,231
1 year	301	174	127
2 years	131	76	55
3 "	109	61	48
4 "	90	58	32
Total under 5 years	3,610	2,117	1,413
5 years	83	48	35
6 "	80	48	32
7 "	70	41	29
8 "	65	39	26
9 "	54	32	22
Total 5-9 years	352	208	144
10 years	51	24	27
11 "	55	35	20
12 "	69	28	41
13 "	75	41	34
14 "	77	46	31
Total 10-14 years	327	174	153
15 years	71	35	36
16 "	93	55	38
17 "	98	63	35
18 "	111	63	48
19 "	107	61	46
Total 15-19 years	480	277	203
20 years	106	63	43
21 "	94	65	29
22 "	118	67	51
23 "	114	63	51
24 "	117	71	46
Total 20-24 years	549	329	220
25 years	125	73	52
26 "	130	67	63
27 "	111	64	47
28 "	144	81	63
29 "	133	65	68
Total 25-29 years	643	350	293
30 years	127	69	58
31 "	128	62	66
32 "	126	56	70
33 "	130	73	57
34 "	137	80	57
Total 30-34 years	648	340	308
35 years	156	82	74
36 "	137	73	64
37 "	141	74	67
38 "	187	98	89
39 "	193	105	88
Total 35-39 years	814	432	382
40 years	189	95	94
41 "	172	93	79
42 "	196	103	93
43 "	214	124	90
44 "	212	115	97
Total 40-44 years	983	530	453
45 years	235	130	105
46 "	304	162	142
47 "	275	165	110
48 "	306	175	131
49 "	307	168	139
Total 45-49 years	1,427	800	627

AGES	TOTAL FOR PROVINCE		
	Total	Male	Female
50 years	367	218	149
51 "	347	194	153
52 "	408	236	172
53 "	411	240	171
54 "	437	268	169
Total 50-54 years	1,970	1,156	814
55 years	452	266	186
56 "	471	287	184
57 "	484	288	196
58 "	496	299	197
59 "	537	292	245
Total 55-59 years	2,440	1,432	1,008
60 years	555	316	239
61 "	520	307	213
62 "	626	359	267
63 "	677	388	289
64 "	696	417	279
Total 60-64 years	3,074	1,787	1,287
65 years	735	421	314
66 "	659	357	302
67 "	703	395	308
68 "	873	503	370
69 "	828	459	369
Total 65-69 years	3,798	2,135	1,663
70 years	799	435	364
71 "	810	438	372
72 "	1,009	527	482
73 "	963	526	437
74 "	934	520	414
Total 70-74 years	4,515	2,446	2,069
75 years	925	499	426
76 "	1,021	507	514
77 "	805	421	384
78 "	1,036	520	516
79 "	976	511	465
Total 75-79 years	4,763	2,458	2,305
80 years	901	391	510
81 "	766	405	361
82 "	803	381	422
83 "	755	381	374
84 "	667	316	351
Total 80-84 years	3,892	1,874	2,018
85 years	627	289	338
86 "	526	244	282
87 "	441	188	253
88 "	358	165	193
89 "	317	152	165
Total 85-89 years	2,269	1,038	1,231
90 years	247	107	140
91 "	157	76	81
92 "	139	64	75
93 "	121	45	76
94 "	88	27	61
Total 90-94 years	752	319	433
95 years	59	27	32
96 "	47	19	28
97 "	30	12	18
98 "	24	11	13
99 "	13	5	8
Total 95-99 years	173	74	99
100 years and over	27	12	15
Not stated	24	22	2

Table 34—Deaths (exclusive of Stillbirths) Classified according to Racial Origin of Decedents in the Province of Ontario, 1939

RACIAL ORIGIN	ONTARIO			RACIAL ORIGIN	ONTARIO		
	Total	Male	Female		Total	Male	Female
ALL ORIGINS	37,530	20,310	17,220	Hungarian	118	65	53
English	13,887	7,456	6,431	Icelandic	7	4	3
Irish	8,099	4,208	3,891	Indian	504	294	210
Scottish	6,314	3,234	3,080	Italian	285	170	115
Welsh	183	118	65	Japanese	1	1	....
French	3,093	1,752	1,338	Jewish	416	212	204
German	1,719	925	794	Negro	117	67	50
Armenian	15	8	7	Norwegian	50	30	20
Austrian	70	47	23	Polish	292	206	86
Belgian	47	31	16	Roumanian	58	40	18
Bulgarian	10	8	2	Russian	108	82	26
Chinese	90	86	4	Serb and Croat	56	42	14
Czech and Slovak	65	40	25	Swedish	112	76	36
Danish	30	18	12	Swiss	41	26	15
Dutch	697	359	338	Syrian	25	15	10
Finnish	228	164	64	Ukrainian*	168	123	45
Greek	33	20	13	Other	30	20	10
Hindu	3	3	....	Not specified	562	360	202

*Including "Galacian" and "Bukovinian."

Table 35—Deaths (exclusive of Stillbirths) Classified according to Birthplace of Decedents for the Province of Ontario and for Cities, Towns and Villages of 10,000 Population and Over, 1939

Province, Cities, Towns and Villages		Total Deaths by Sex	BIRTHPLACE OF DECEDENTS																																				
			Canada										British Isles					British Possessions		Europe															Asia					
			Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other	Newfoundland	Other	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Italy	Norway	Poland	Roumania	Russia*	Sweden	Other	China	Japan	Other	United States	Various	Not specified
Ontario	Total	37,530	25	135	100	1530	25860	78	43	22	10	71	4176	824	1322	83	16	81	62	89	34	18	195	36	230	21	75	187	29	354	66	311	73	165	81	1	30	956	6	135
	M.	20.310	12	78	55	877	13708	38	21	10	4	48	2291	418	703	53	7	41	33	62	24	12	146	21	114	11	41	115	19	226	48	204	52	112	81		20	489	3	112
	F.	17.220	13	57	45	653	12152	40	22	12	6	23	1885	406	619	30	9	40	29	27	10	6	49	15	116	10	34	72	10	128	18	107	21	53	..	..	10	467	3	23
Belleville	Total	263	..	...	...	5	212	..	..	..	..	...	28	3	1	...	...	1	...	...	...	...	...	...	3	...	...	1	...	1	...	...	...	...	..	..	..	7	...	1
	M.	138	..	...	...	4	110	..	..	..	..	...	12	....	....	...	...	...	...	...	...	...	...	...	3	...	...	1	...	1	...	...	...	...	..	..	..	6	...	1
	F.	125	..	...	...	1	102	..	..	..	..	...	16	3	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	..	1	...	...
Brantford	Total	425	1	2	...	2	289	1	2	1	..	...	66	11	20	1	...	...	...	...	...	...	...	...	...	...	3	...	...	7	1	...	...	1	1	..	5	9	1	1
	M.	222	1	1	...	1	143	..	1	..	..	...	40	4	11	1	...	...	...	...	...	...	...	...	...	...	2	...	...	5	...	...	...	...	1	..	3	6	1	1
	F.	203	..	1	...	1	146	1	1	1	..	...	26	7	9	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	1	...	...	1	..	..	2	3	...	...
Chatham	Total	317	..	1	...	3	241	1	..	..	..	...	31	4	6	1	...	...	...	...	6	1	...	1	...	2	1	...	...	2	...	...	...	2	1	..	1	12	...	...
	M.	183	..	1	...	3	139	..	..	..	..	.	19	2	2	1	...	...	...	...	4	...	...	1	...	1	...	...	...	1	...	...	...	2	1	..	1	5	...	...
	F.	134	..	...	...	....	102	1	..	..	..	...	12	2	4	...	...	...	...	...	2	1	...	...	...	1	1	...	...	1	...	...	...	...	..	..	..	7	...	...
Cornwall	Total	244	..	2	...	35	188	..	..	..	..	...	4	....	1	1	...	1	1	...	...	1	...	...	1	...	...	...	...	...	...	1	...	...	..	..	..	8	...	...
	M.	133	..	...	...	20	104	..	..	..	.		3	....	1	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	..	..	..	2	...	...
	F.	111	..	2	...	15	84	..	..	..	..	.	1	....	....	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	..	..	..	6	...	...
Forest Hill	Total	39	..	1	...	....	20	1	..	..	..	.	5	1	3	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	1	...	...	..	..	..	4	...	...
	M.	19	..	1	...	....	10	..	..	..	..	..	2	1	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	..	..	..	1	...	...
	F.	20	..	...	...	....	10	1	..	..	..	.	3	....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	..	..	..	3	...	...
Fort William	Total	225	..	5	2	11	89	1	1	..	..	...	32	4	11	2	...	...	1	3	...	...	15	...	...	...	...	6	2	10	3	11	3	2	..	..	..	8	...	3
	M.	134	..	3	1	8	47	1	1	..	..	...	20	3	5	...	...	...	1	2	...	...	11	...	...	...	...	...	2	7	2	7	2	2	..	..	..	6	...	3
	F.	91	..	2	1	3	42	..	..	..	..	...	12	1	6	2	...	...	...	1	...	...	4	...	...	...	...	6	...	3	1	4	1	...	..	..	..	2	...	...

Galt	Total	189	..	...	...	2	122	..	..	..	..	1	41	1	12	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	..	..	2	3	...	1
	M.	90	..	...	...	1	62	..	..	..	..	1	20	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	..	..	1	...	...	...
	F.	99	..	...	...	1	60	..	..	..	..	...	21	....	10	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	..	..	1	3	...	1
Guelph	Total	203	..	1	...	3	168	1	..	..	..	...	11	6	6	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	..	..	..	3	...	...
	M.	102	..	1	...	1	86	..	..	..	..	...	7	2	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	..	..	..	2	...	...
	F.	101	..	...	...	2	82	1	..	..	..	...	4	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	..	..	..	1	...	...
Hamilton	Total	1,588	1	5	3	21	891	2	1	..	..	2	333	39	120	5	...	1	2	4	...	1	...	...	13	...	12	22	1	15	7	12	1	12	5	..	4	46	...	7
	M.	842	..	2	1	13	461	1	..	..	..	1	181	20	58	2		1	1	1	...	...	...	...	6	...	9	14	...	12	6	10	..	5	5	..	4	21	...	7
	F.	746	1	3	2	8	430	1	1	..	..	1	152	19	62	3	...	...	1	3	...	1	...	...	7	...	3	8	1	3	1	2	1	7	..	..	..	25	...	...
Kingston	Total	487	..	1	1	8	393	..	2	1	..	...	32	14	10	1	1	2	...	...	...	...	1	...	...	...	...	...	...	1	1	2	...	...	2	..	..	14	...	...
	M.	250	..	1	...	5	201	..	1	..	..	...	14	8	8	1	1	..	...	...	...	...	1	...	...	...	...	...	...	1	1	1	...	...	2	..	..	4	...	...
	F.	237	..	...	1	3	192	..	1	1	..	...	18	6	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	..	..	..	10	...	...
Kirkland Lake	Total	136	..	5	1	13	73	1	..	..	..	...	13	2	5	...	...	1	...	1	1	...	4	...	1	1	...	2	...	4	...	3	1	3	1	..	..	...	...	...
	M.	84	..	2	...	6	44	..	..	..	..	...	8	2	3	...	...	1	...	1	1	...	4	...	1	...	...	2	...	2	...	2	1	3	1	..	..	...	...	...
	F.	52	..	3	1	7	29	1	..	..	..	...	5	....	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	1	...	...	..	..	..	...	...	...
Kitchener	Total	376	..	1	...	....	291	..	..	..	..	1	26	4	1	...	...	...	1	2	...	...	...	2	27	...	...	...	...	7	...	2	...	3	..	..	..	7	...	1
	M.	193	..	...	...	....	146	..	..	..	..	...	18	2	....	...	...	...	...	1	...	...	...	1	12	...	...	...	...	6	...	1	...	3	..	..	..	2	...	1
	F.	183	..	1	...	....	145	..	..	..	..	1	8	2	1	...	...	..	1	1	...	...	...	1	15	...	...	...	...	1	...	1	...	...	..	..	..	5	...	...
London	Total	1,167	..	3	...	8	861	2	1	2	..	2	164	27	32	5	1	...	3	1	...	...	...	...	4	3	2	2	...	6	...	4	...	4	2	..	1	27	...	...
	M.	605	..	1	...	6	440	..	1	1	..	2	79	16	17	4	1	..	3	...	...	...	...	...	...	1	1	2	...	4	...	4	...	3	2	..	1	16	...	...
	F.	562	..	2	...	2	421	2	..	1	..	...	85	11	15	1	..	..	...	1	...	...	...	...	4	2	1	...	...	2	...	...	...	1	..	..	..	11	...	...
Niagara Falls	Total	208	1	...	2	1	110	..	1	..	..	...	33	8	12	2	.	...	1	1	...	...	...	...	1	...	2	10	...	2	...	3	...	2	1	..	..	13	...	2
	M.	103	..	...	1	1	51	..	1	..	..	...	10	5	6	2	...	...	...	...	...	...	...	...	1	...	2	8	...	2	...	3	...	1	1	..	..	6	...	2
	F.	105	1	...	1	....	59	..	..	..	..	...	23	3	6	...	.	...	1	1	...	...	...	...	...	...	...	2	...	...	...	...	...	1	..	..	..	7	...	...
North Bay	Total	124	..	2	3	24	75	1	..	..	..	...	6	....	2	...	...	...	...	...	...	...	1	...	1	...	...	2	...	...	...	1	...	...	..	..	..	3	...	3
	M.	79	..	...	2	12	52	..	..	..	..	...	3	....	2	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	...	1	...	...	..	..	..	1	...	3
	F.	45	..	2	1	12	23	1	..	..	..	...	3	....	....	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	..	..	..	2	...	...
Oshawa	Total	199	..	1	...	2	142	..	..	..	..	...	37	1	6		1	...	1	1	...	...	...	...	...	...	...	...	...	2	...	3	...	...	..	..	..	2	...	...
	M.	95	..	1	...	2	70	..	..	..	..	...	14	....	4	...	...	...	..	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	..	..	..	1	...	...
	F.	104	..	...	...	....	72	..	..	..	..	...	23	1	2	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	..	..	..	1	...	...
Ottawa	Total	1,811	..	16	15	423	1010	3	3	1	..	7	116	48	39	1	1	4	2	4	2	4	1	4	17	1	...	8	1	7	2	18	1	3	4	..	..	42	...	3
	M.	965	..	8	11	235	515	2	..	1	..	3	70	23	24	1	...	2	2	3	2	2	1	3	9	1	...	5	1	3	1	7	1	3	4	..	.	19	...	3
	F.	846	..	8	4	188	495	1	3	..	..	4	46	25	15	...	1	2	...	1	...	2	...	1	8	...	...	3	...	4	1	11	...	...	..	..	..	23	...	...
Owen Sound	Total	214	..	...	1	1	174	..	..	..	..	...	20	4	9	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	1	2	...	...
	M.	105	..	...	...	1	89	..	..	..	..	...	8	1	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	..	...	...	...
	F.	109	..	...	1	....	85	..	..	..	..	...	12	3	3	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	1	2	...	...

*Including the Ukraine.

Table 35—Deaths (exclusive of Stillbirths) Classified according to Birthplace of Decedents for the Province of Ontario and for Cities, Towns and Villages of 10,000 Population and Over, 1939—Continued

Province, Cities, Towns and Villages		Total Deaths by Sex	BIRTHPLACE OF DECEDENTS																																			
			Canada										British Isles					British Possessions		Europe															Asia					
			Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other	Newfoundland	Other	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Italy	Norway	Poland	Roumania	Russia*	Sweden	Other	China	Japan	Other	United States	Various	Not specified
Pembroke	Total	186	..	...	1	20	146	..	1	..	..	...	2	1	2	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	..	..	..	2	...	...
	M.	111	..	...	1	12	88	..	1	..	..	...	1	....	2	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	..	..	..	1	...	...
	F.	75	..	...	...	8	58	..	..	..	..	...	1	1	....	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	..	..	..	1	...	...
Peterborough	Total	333	1	...	...	5	271	1	..	..	..	1	29	6	7	2	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	2	..	..	5	...	...
	M.	184	..	...	...	3	146	..	..	..	..	1	18	4	5	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	2	..	..	2	...	...
	F.	149	1	...	...	2	125	1	..	..	..	...	11	2	2	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	..	..	..	3	...	...
Port Arthur	Total	255	4	3	1	15	121	2	..	1	..	...	22	1	9	1	...	...	1	1	...	1	35	...	...	...	1	6	1	1	...	7	6	3	1	..	..	9	...	2
	M.	152	2	3	1	8	68	1	..	1	..	...	15	....	6	...	...	...	1	1	...	...	20	...	...	...	1	2	1	1	...	6	4	2	1	..	..	5	...	2
	F.	103	2	...	...	7	53	1	..	..	..	...	7	1	3	1	...	...	...	...	...	1	15	...	...	...	...	4	...	...	...	1	2	1	..	..	..	4	...	...
St. Catharines	Total	322	..	3	1	3	212	1	..	..	..	...	51	8	9	1	...	1	...	...	...	...	1	...	1	...	...	1	1	8	1	2	...	3	1	..	4	9	...	...
	M.	169	..	1	1	1	110	..	..	..	..	...	24	3	6	1	...	1	...	...	...	...	...	...	...	...	...	1	1	5	1	2	...	3	1	..	1	6	...	...
	F.	153	..	2	...	2	102	1	..	..	..	...	27	5	3	...	...	...	...	...	...	...	1	...	1	...	...	...	...	3	...	...	...	...	..	..	3	3	...	...
St. Thomas	Total	253	..	...	...	....	175	..	..	..	..	...	44	3	12	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	3	..	..	..	13	...	1
	M.	118	..	...	...	....	81	..	..	..	..	...	21	2	7	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	..	..	..	4	...	...
	F.	135	..	...	...	....	94	..	..	..	..	...	23	1	5	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	..	..	..	9	...	1
Sarnia	Total	218	..	...	...	1	170	..	..	..	..	...	20	6	8	...	...	...	...	3	...	...	...	...	...	...	...	1	...	...	...	...	...	1	..	..	..	7	...	1
	M	110	..	...	...	1	80	..	..	..	..	...	15	3	4	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	..	3	...	1
	F.	108	..	...	...	....	90	..	..	..	..	...	5	3	4	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	..	..	..	4	...	...
Sault Ste. Marie	Total	256	..	2	1	13	151	..	..	..	..	...	25	3	9	1	...	...	...	...	...	...	8	...	1	...	...	14	3	2	1	6	3	3	..	..	..	9	...	1
	M.	154	..	2	1	6	89	..	..	..	..	...	15	1	6	...	...	...	...	...	...	...	6	...	...	...	...	6	3	1	1	6	3	1	..	..	..	6	...	1
	F.	102	..	...	...	7	62	..	..	..	..	...	10	2	3	1	...	...	...	...	...	...	2	...	1	...	...	8	...	1	...	...	...	2	..	..	..	3	...	...

Stratford	Total	237	..	...	...	4	184	1	..	..	..	...	28	2	8	...	...	..	...	..	...	...	...	...	2	1	...	...	...	...	...	...	...	1	..	..	..	6	...	...
	M.	126	.	...	...	3	96	1	..	..	..	...	17	2	3	...	...	..	..	..	...	...	...	...	2	...	...	...	...	...	...	...	...	1	..	..	..	1	...	...
	F.	111	..	...	...	1	88	..	..	..	..	...	11	....	5	...	...	...	..	..	...	...	...	...	...	1	...	...	...	...	...	...	...	...	..	..	..	5	...	...
Sudbury	Total	271	..	...	...	39	174	..	1	1	1	...	8	1	3	2	...	...	...	5	...	...	15	...	...	...	...	3	...	7	2	...	4	...	..	..	..	3	...	2
	M.	173	..	...	...	23	108	..	..	..	1	...	5	....	2	...	...	...	...	5	...	...	11	...	...	...	...	1	...	7	2	...	3	...	..	..	..	3	...	2
	F.	98	..	...	...	16	66	..	1	1	..	...	3	1	1	2	...	...	...	..	...	...	4	...	...	...	...	2	...	...	...	...	1	...	..	..	..	...	...	...
Timmins	Total	194	..	6	4	30	94	2	..	1	..	...	12	2	3	...	...	...	...	1	...	...	5	...	1	...	...	3	1	6	5	7	2	4	1	..	..	4	...	...
	M.	119	..	3	1	20	53	2	..	..	..	...	8	2	2	...	...	...	...	1	...	...	4	...	...	...	...	3	1	3	3	5	1	3	1	..	..	3	...	...
	F.	75	..	3	3	10	41	..	..	1	..	...	4	....	1	...	...	...	...	..	...	...	1	...	1	...	...	...	...	3	2	2	1	1	..	..	..	1	...	...
Toronto	Total	7,122	5	29	24	137	3822	17	7	3	2	36	1396	317	460	31	6	45	23	28	3	2	15	5	15	6	5	46	3	160	19	148	6	49	37	1	3	179	3	29
	M.	3,746	4	17	16	80	1942	6	2	1	..	24	754	147	239	17	2	23	12	16	1	1	10	1	9	2	1	27	1	86	13	97	6	27	37	1	3	101	1	19
	F.	3,376	1	12	8	57	1880	11	5	2	2	12	642	170	221	14	4	22	11	12	2	1	5	4	6	4	4	19	2	74	6	51	...	22	..	..	..	78	2	10
Welland	Total	164	..	...	1	7	98	1	..	..	..	...	15	1	8	1	...	...	...	2	...	...	...	1	1	...	11	6	...	3	...	1	1	1	..	..	..	5	...	...
	M.	99	..	...	...	5	56	1	..	..	..	...	11	....	4	1	...	...	...	2	...	...	...	...	...	...	6	4	...	2	...	1	1	1	..	..	..	4	...	...
	F.	65	..	...	1	2	42	..	..	..	..	...	4	1	4	...	...	...	...	...	...	...	...	1	1	...	5	2	...	1	...	...	...	...	..	..	..	1	...	...
Windsor	Total	882	..	6	3	41	520	3	3	3	..	...	99	12	37	...	...	1	5	3	5	3	...	4	2	1	12	1	2	14	7	13	1	7	1	..	4	65	1	3
	M.	482	..	5	1	26	283	1	1	..	..	...	55	9	18	...	...	1	3	3	3	3	...	1	1	1	5	1	1	9	3	5	1	5	1	..	4	28	1	3
	F.	400	..	1	2	15	237	2	2	3	..	...	44	3	19	...	...	...	2	...	2	...	...	3	1	...	7	...	1	5	4	8	...	2	..	..	..	37	...	...
Woodstock	Total	222	..	1	1	2	167	..	..	..	..	...	27	3	8	2	2	...	...	1	...	...	1	1	2	...	...	...	...	1	...	...	...	...	..	..	..	2	...	1
	M.	122	..	1	1	1	91	..	..	..	..	...	16	2	3	1	...	...	...	1	...	...	...	1	1	...	...	...	...	1	...	...	...	...	..	..	..	1	...	1
	F.	100	..	...	...	1	76	..	..	..	..	..	11	1	5	1	2	..	...	..	...	...	1	...	1	...	...	...	...	...	...	...	...	...	..	..	..	1	...	...

*Including the Ukraine.

Table 36—Deaths (exclusive of Stillbirths) Classified according to Birthplaces of Parents of Decedents in the Province of Ontario, 1939

Birthplace of Father	Total Fathers	BIRTHPLACE OF MOTHER																																					
		Canada										British Isles					British Possessions		Europe															Asia					
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other	Newfoundland	Other	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Italy	Norway	Poland	Roumania	Russia*	Sweden	Other	China	Japan	Other	United States	Various	Not specified
Canada	15,279	21	108	88	1602	10676	56	27	11	7	827	481	403	280	7	...	10	15	...	...	2	2	11	51	8	...	3	...	3	...	5	...	2	...	...	...	334	...	239
Prince Edward Island	31	16	...	2	2	7	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nova Scotia	159	1	80	2	1	41	2	...	...	...	...	7	3	7	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	7
New Brunswick	114	1	6	63	2	21	...	...	...	...	2	11	3	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Quebec	1884	...	3	6	1335	345	4	...	...	...	11	27	40	20	...	...	...	1	...	...	1	...	3	1	1	...	...	...	...	...	1	...	...	...	...	...	29	...	56
Ontario	11,955	3	18	13	253	10134	27	19	8	6	55	393	314	213	7	...	8	8	...	...	1	2	7	46	5	...	3	...	3	...	4	...	2	...	...	...	263	...	140
Manitoba	57	...	...	...	...	30	20	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...
Saskatchewan	28	...	...	...	...	13	3	8	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Alberta	9	...	...	...	...	6	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
British Columbia	7	...	...	...	...	5	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Province not specified	1,035	...	1	2	9	74	...	...	...	...	759	36	41	38	...	...	1	4	...	...	...	...	1	4	1	...	...	...	...	...	...	...	...	...	...	...	31	...	33
British Isles	16,619	8	30	21	151	2294	11	1	2	...	389	6347	3709	3076	125	15	10	24	...	...	1	1	13	17	3	1	...	1	1	1	1	...	6	...	...	...	170	1	189
England	7,959	4	12	2	52	962	8	1	1	...	147	6013	321	197	31	3	7	13	...	...	1	1	5	9	1	...	...	...	1	1	1	...	1	...	...	...	80	1	83
Ireland	4,777	2	10	12	70	837	1	...	...	...	158	169	3206	167	4	...	2	7	...	...	...	...	1	2	1	1	...	...	...	...	...	...	4	...	...	...	55	...	68
Scotland	3,729	2	8	7	29	474	2	...	1	...	82	154	173	2703	5	1	1	4	...	...	...	...	7	6	1	...	...	1	...	...	...	...	1	...	...	...	35	...	32
Wales	133	...	...	...	...	19	...	...	...	...	2	8	7	8	85	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Other	21	...	...	...	...	2	...	...	...	...	...	3	2	1	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
British Possessions	151	...	4	...	4	22	1	...	...	...	2	9	8	4	...	...	72	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Newfoundland	95	...	3	...	1	7	...	...	...	...	...	3	4	3	...	...	72	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Other	56	...	1	...	3	15	1	...	...	...	2	6	4	1	...	...	...	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Europe	3,238	1	...	1	15	239	6	4	1	...	25	38	31	9	...	1	...	1	120	46	22	219	59	725	36	111	246	38	431	74	372	85	219	...	...	1	33	...	29
Austria	128	...	...	1	...	5	...	2	...	...	1	...	...	...	...	...	...	...	110	...	...	1	...	1	...	1	...	...	2	1	...	...	...	...	...	...	2	...	1
Belgium	52	...	...	...	...	2	...	...	...	...	...	2	...	...	...	...	...	...	...	44	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Denmark	32	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Finland	219	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	214	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
France	125	...	...	...	7	17	1	...	...	...	6	10	10	3	...	1	...	...	...	2	...	...	44	15	...	...	...	...	...	...	...	...	...	...	...	...	7	...	2
Germany	938	1	...	...	2	134	...	...	...	...	14	16	16	4	...	...	...	1	...	...	1	1	11	703	1	...	...	...	1	...	1	...	2	...	...	...	14	...	15
Holland	54	...	...	...	1	9	...	...	...	...	...	4	1	...	...	...	...	...	...	...	...	...	...	...	34	...	...	...	...	...	...	...	...	...	...	...	2	...	3
Hungary	118	...	...	...	...	4	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	107	...	...	...	1	...	...	2	...	...	...	1	...	...
Italy	269	...	...	...	3	11	...	...	...	...	1	2	2	1	...	...	...	...	...	...	...	...	...	1	...	1	246	...	...	...	...	...	...	...	...	...	1	...	...
Norway	43	...	...	...	1	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	35	...	...	...	1	...	...	...	...	...	...	1
Poland	452	...	...	...	...	12	4	...	1	...	1	1	...	1	...	...	...	...	4	...	...	...	1	...	...	1	...	...	415	3	6	...	1	...	...	...	...	...	1
Roumania	80	...	...	...	...	3	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	4	67	1	...	...	...	...	...	...	...	2
Russia*	395	...	...	...	1	8	1	...	...	...	...	1	...	...	...	...	...	...	5	...	...	1	...	1	...	...	...	...	8	2	363	...	1	...	...	...	2	...	1

Sweden	94	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	3	...	...	...	84	...	...	...	...	1	...	...
Other	239	...	...	...	...	14	...	...	...	...	1	...	2	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	...	1	...	213	...	...	1	...	...	3
Asia	132	...	...	...	2	3	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	86	1	37	1	...	...
China	89	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	86	...	...	...	...	...
Japan	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Other	42	...	...	...	2	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37	1	...	...
United States	1.056	...	4	...	28	318	3	...	...	...	53	47	49	25	1	...	...	2	...	...	...	...	1	14	...	...	...	1	...	...	...	...	2	...	...	...	470	...	38
Various	4	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Not specified	1.051	...	...	1	19	203	...	...	1	...	14	9	10	4	...	...	...	...	...	...	...	1	1	1	...	...	...	1	1	...	...	1	1	...	...	...	7	...	776
Total Mothers	37,530	30	146	111	1822	13756	77	32	15	8	1310	6932	4210	3398	133	16	92	64	120	46	25	223	85	808	47	112	249	41	436	75	378	86	230	86	1	38	1015	3	1274

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*Including the Ukraine.

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939

CAUSES OF DEATH	Sex	Total	AGES—YEARS																									
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
Deaths—All Causes. Total	...	37530	2979	301	131	109	90	352	327	480	549	643	648	814	983	1427	1970	2440	3074	3798	4515	4763	3892	2269	752	173	27	24	
	M	20310	1748	174	76	61	58	208	174	277	329	350	340	432	530	800	1156	1432	1787	2135	2446	2458	1874	1038	319	74	12	22	
	F	17220	1231	127	55	48	32	144	153	203	220	293	308	382	453	627	814	1008	1287	1663	2069	2305	2018	1231	433	99	15	2	
Class 1.—Infectious and Parasitic Diseases																													
Total	...	2798	184	78	34	24	26	76	58	103	116	150	128	129	139	114	165	164	156	190	186	192	194	133	45	12	....	2	
	M	1544	110	41	17	9	15	40	27	52	56	64	65	77	93	76	112	113	93	114	98	92	90	57	23	8	....	2	
	F	1254	74	37	17	15	11	36	31	51	60	86	63	52	46	38	53	51	63	76	88	100	104	76	22	4	....	....	
1. Typhoid fever	M	8	....	....	....	....	....	1	....	....	2	1	1	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	1
	F	8	....	....	....	....	1	1	1	....	1	....	1	....	1	1	....	....	....	....	1	....	....	....	....	....	....	....	
2. Paratyphoid fever	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	2
	F	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
5. Undulant fever	M	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	5
7. Measles	M	19	4	6	2	1	2	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
	F	25	4	6	2	1	2	6	1	....	....	1	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	
8. Scarlet fever	M	30	2	6	3	2	2	3	4	....	4	....	1	....	2	....	....	1	....	....	....	....	....	....	....	....	....	....	8
	F	23	1	2	3	5	....	4	3	1	1	2	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
9. Whooping-cough	M	40	31	5	1	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	9
	F	35	23	10	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
10. Diphtheria	M	8	....	....	1	....	2	2	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	10
	F	5	1	....	....	1	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
11. Influenza	M	584	46	15	3	2	1	5	8	12	3	4	7	11	19	24	18	36	37	40	64	66	80	52	23	8	....	....	11
	F	606	24	11	9	2	2	6	7	7	7	9	6	13	15	13	26	22	36	48	62	86	97	72	22	4	....	....	
11A. Sole cause	M	47	5	1	1	....	....	1	....	....	....	....	....	....	1	....	....	1	1	1	4	7	7	10	6	1	....	....	11A
	F	37	4	1	1	....	....	1	....	....	....	....	....	2	....	....	3	1	1	2	3	3	5	7	3	....	....	....	
11B. With bronchitis	M	27	....	....	....	....	....	....	2	....	....	1	....	....	....	2	1	1	3	3	2	2	5	3	2	....	....	....	11B
	F	25	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	3	1	....	6	6	4	1	....	....	....	
11C. With pneumonia	M	280	25	6	1	1	....	2	2	8	1	1	3	7	10	16	13	15	22	24	27	29	41	17	8	1	....	....	11C
	F	271	11	6	5	1	1	2	1	5	4	7	4	6	5	8	10	9	12	21	33	39	37	28	12	4	....	....	
11D. With other diseases of the respiratory system	M	37	1	....	....	1	....	....	....	1	....	....	....	....	1	1	....	3	2	....	4	4	8	5	3	3	....	....	11D
	F	37	1	....	....	....	....	....	....	....	....	....	....	2	2	1	2	3	2	1	3	6	10	3	1	....	....	....	
11E. With intestinal complications	M	22	8	....	....	....	....	1	1	1	....	....	2	2	....	....	1	....	1	....	....	3	....	2	....	....	....	....	11E
	F	26	4	1	2	....	1	....	1	....	....	....	....	....	1	....	....	....	2	2	3	5	1	3	....	....	....	....	
11F. With other causes	M	171	7	8	1	....	1	1	3	2	2	2	2	2	7	5	3	16	8	12	27	21	19	15	4	3	....	....	11F
	F	210	3	3	1	1	....	3	5	2	3	2	1	3	7	4	10	8	16	21	20	27	38	27	5	....	....	....	
13. Dysentery	M	16	2	1	3	1	....	2	....	1	....	....	....	....	....	....	....	....	....	1	2	1	1	1	....	....	....	....	13
	F	11	7	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....	....	
15. Erysipelas	M	16	....	....	....	....	1	....	....	....	....	1	....	....	....	2	1	1	1	2	3	1	2	1	....	....	....	....	15
	F	9	1	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	1	1	1	2	1	....	....	....	....	....	

16. Poliomyelitis and polioencephalitis (acute)	M	18	2	....	....	....	1	3	3	5	....	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	16
	F	5	....	....	....	....	....	1	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
17. Lethargic or epidemic encephalitis	M	11	....	....	....	....	....	....	....	....	....	....	1	1	....	....	4	1	3	1	....	....	....	....	....	....	....	....	17
	F	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	1	....	....	....	....	....	....	....	
18. Epidemic cerebrospinal meningitis	M	11	2	....	....	1	....	1	1	....	....	....	....	3	1	1	1	....	....	....	....	....	....	....	....	....	....	....	18
	F	7	2	....	....	1	....	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
22. Tetanus	M	8	....	....	....	....	2	2	....	2	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	22
	F	3	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	
23–32. Tuberculosis	M	625	7	3	4	1	3	11	8	24	43	52	50	53	57	39	76	57	40	47	23	19	5	2	....	....	....	1	23–32
	F	460	5	4	2	4	5	9	15	40	50	66	55	37	27	21	22	18	20	24	20	10	4	2	....	....	....	....	
23. Tuberculosis of the respiratory system	M	543	2	....	2	....	1	1	4	20	38	44	49	47	50	35	68	56	38	42	22	17	5	2	....	....	....	....	23
	F	393	2	2	....	2	2	3	10	36	47	59	48	35	24	18	19	16	18	20	18	10	2	2	....	....	....	....	
24. Tuberculosis of the meninges and central nervous system	M	29	2	2	2	1	2	9	1	2	1	1	....	2	3	....	1	....	....	....	....	....	....	....	....	....	....	....	24
	F	29	1	2	2	2	2	6	5	1	2	3	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	
25. Tuberculosis of the intestines and peritoneum	M	15	1	....	....	....	....	....	1	1	3	....	....	1	....	2	2	....	1	2	1	....	....	....	....	....	....	....	25
	F	12	1	....	....	....	....	....	....	3	1	1	1	1	1	1	1	....	1	....	....	....	....	....	....	....	....	....	
26. Tuberculosis of the vertebral column	M	13	....	....	....	....	....	1	1	....	....	3	1	1	1	....	3	....	....	2	....	....	....	....	....	....	....	....	26
	F	10	....	....	....	....	1	....	....	....	....	1	1	1	1	1	1	1	....	1	1	....	....	....	....	....	....	....	
27. Tuberculosis of the bones and joints (vertebral column excepted)	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	27
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	
27A. Of the bones	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	27A
27B. Of the joints	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	27B
29. Tuberculosis of the lymphatic system (bronchial, mesenteric and retroperitoneal glands excepted)	M	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	29
	F	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....	....	
30. Tuberculosis of the genito-urinary system	M	14	....	....	....	....	....	....	....	1	1	3	....	2	2	1	....	....	1	....	1	....	....	....	....	....	....	....	30
	F	5	....	....	....	....	....	....	....	....	....	1	....	....	1	1	1	....	....	1	....	....	....	....	....	....	....	....	
32. Disseminated tuberculosis	M	8	2	1	....	....	....	....	1	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....	1	32
	F	6	1	....	....	....	....	....	....	....	....	1	3	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	
32A. Acute	M	3	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	32A
	F	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
32C. Not specified	M	5	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	32C
	F	4	....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	
34. Syphilis	M	109	14	....	....	....	....	1	1	2	2	1	....	7	13	9	10	16	11	15	4	2	1	....	....	....	....	....	34
	F	28	3	....	....	....	....	....	....	1	....	3	....	1	2	1	3	6	4	2	1	....	1	....	....	....	....	....	
35. Gonococcus infection and other venereal diseases	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	35
	F	2	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
36. Purulent infection, septicaemia (non-puerperal)	M	22	....	2	....	....	....	1	1	5	1	2	2	1	....	....	1	1	....	2	....	2	....	....	....	....	....	1	36
	F	10	1	....	....	....	....	....	....	1	....	1	....	1	....	....	1	1	1	....	1	2	....	....	....	....	....	....	
38. Malaria	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	38
39. Other diseases due to protozoal parasites	M	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	39
	F	4	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																										
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
42. Other diseases caused by helminths	M	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	42
	F	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
43. Mycoses	M	4	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	43
44. Other infectious or parasitic diseases	M	7	....	3	....	....	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	44
	F	7	2	4	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
44A. Chicken-pox	M	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	F	3	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	44A
44C. Others under this title	M	6	....	3	....	....	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	44C
	F	4	1	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
CLASS 11.—CANCER AND OTHER TUMOURS																													
Total	...	4883	....	6	5	4	2	8	17	8	25	30	63	100	182	280	432	516	621	664	712	632	370	157	40	6	....	3	
	M	2279	....	5	4	3	1	5	8	4	14	16	17	31	51	109	182	232	285	324	375	320	194	76	17	3	....	3	
	F	2604	....	1	1	1	1	3	9	4	11	14	46	69	131	171	250	284	336	340	337	312	176	81	23	3	....	....	
45 53. Cancer and other malignant tumours	M	2171	....	5	3	3	1	5	8	3	11	12	14	29	47	101	173	227	280	308	357	303	186	74	15	3	....	3	45-53
	F	2396	....	1	....	....	....	3	3	3	9	13	37	56	109	157	227	266	308	315	320	298	170	76	22	3	....	....	
45. Cancer of the buccal cavity and pharynx	M	132	....	....	....	....	....	....	....	....	1	1	....	....	1	5	9	8	12	17	29	24	13	10	1	1	....	....	45
	F	22	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	2	2	6	1	4	2	....	2	....	....	....	
46. Cancer of the digestive tract and peritoneum	M	1217	....	....	1	....	....	1	....	1	1	5	3	16	29	60	90	136	178	169	212	170	96	38	8	1	....	2	46
	F	1046	....	....	....	....	....	....	....	....	3	4	6	15	28	42	74	92	134	157	166	175	102	39	8	1	....	....	
46A. Of the oesophagus	M	68	....	....	....	....	....	....	....	....	....	....	....	2	....	3	7	9	15	10	9	9	1	2	....	1	....	....	46A
	F	37	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	4	5	5	10	6	2	2	....	....	....	....	
46B. Of the stomach and duodenum	M	475	....	....	....	....	....	....	....	....	....	....	1	3	16	24	23	58	66	61	79	74	47	17	5	....	....	1	46B
	F	306	....	....	....	....	....	....	....	....	....	1	....	2	7	8	22	23	35	53	55	52	32	13	3	....	....	....	
46C. Of the rectum	M	153	....	....	....	....	....	....	....	....	....	4	1	2	3	7	9	13	15	24	35	24	13	2	1	....	....	....	46C
	F	106	....	....	....	....	....	....	....	....	....	2	2	2	3	11	10	12	9	14	14	11	9	6	1	....	....	....	
46D. Of the liver and biliary ducts	M	118	....	....	....	....	....	....	....	....	1	....	....	1	1	4	12	11	15	22	23	17	5	6	....	....	....	....	46D
	F	149	....	....	....	....	....	....	....	....	....	....	1	1	6	5	9	13	20	29	27	25	7	5	....	1	....	....	
46E. Of the pancreas	M	65	....	....	....	....	....	....	....	....	....	....	1	1	2	1	11	10	9	7	10	7	4	2	....	....	....	....	46E
	F	74	....	....	....	....	....	....	....	....	....	....	....	....	....	3	7	6	17	11	14	9	6	1	....	....	....	....	
46F. Of the peritoneum	M	16	....	....	1	....	....	1	....	....	....	1	....	1	1	1	1	2	2	2	2	1	....	....	....	....	....	....	46F
	F	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	1	1	....	....	....	....	....	....	....	
46G. Of other organs	M	322	....	....	....	....	....	....	....	1	....	....	....	6	6	20	27	33	56	43	54	38	26	9	2	....	....	1	46G
	F	369	....	....	....	....	....	....	....	....	3	1	3	10	12	13	25	33	46	44	45	72	46	12	4	....	....	....	

47. Cancer of the respiratory organs	M	156	....	....	....	....	....	....	....	....	2	....	....	3	9	12	28	23	25	27	13	10	1	3	....	....	....	....	47
	F	53	....	1	....	....	....	1	....	....	....	....	....	1	1	1	3	9	5	7	14	6	4	....	....	....	....	....	
47A. Of the larynx	M	25	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	3	5	5	4	3	....	2	....	....	....	....	47A
	F	9	....	1	....	....	....	....	....	....	....	....	....	1	....	1	1	....	....	3	1	1	....	....	....	....	....	....	
47B. Of the lung	M	100	....	....	....	....	....	....	....	....	1	....	....	3	8	9	19	14	15	15	7	7	1	1	....	....	....	....	47B
	F	38	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	8	5	4	12	4	3	....	....	....	....	....	
47C Of the mediastinum	M	7	....	....	....	....	....	....	....	....	1	....	....	....	1	....	2	....	1	2	....	....	....	....	....	....	....	....	47C
	F	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	1	....	....	....	....	....	
47D. Of other organs of the respiratory system	M	24	....	....	....	....	....	....	....	....	....	....	....	....	....	2	5	6	4	5	2	....	....	....	....	....	....	....	47D
	F	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	
48. Cancer of the uterus	F	341	....	....	....	....	....	....	....	....	1	4	14	15	27	33	52	46	39	40	36	22	8	4	....	....	....	....	48
48A. Of the uterus	F	204	....	....	....	....	....	....	....	....	1	1	6	6	14	13	28	28	23	27	30	18	6	3	....	....	....	....	48A
48B. Of the cervix uteri	F	137	....	....	....	....	....	....	....	....	....	3	8	9	13	20	24	18	16	13	6	4	2	1	....	....	....	....	48B
49. Cancer of other female genital organs	F	130	....	....	....	....	....	....	....	1	....	1	3	6	8	10	14	18	23	16	9	13	6	1	1	....	....	....	49
50. Cancer of the breast	M	6	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2	2	1	....	....	....	....	....	....	....	....	50
	F	526	....	....	....	....	....	....	....	....	....	2	9	16	30	56	53	69	80	58	51	47	30	18	7	....	....	....	
51. Cancer of the male genito-urinary organs	M	424	....	1	2	1	....	2	1	....	2	2	5	5	5	9	23	33	46	61	77	74	55	17	3	....	....	....	51
51A. Of the bladder	M	105	....	1	....	....	....	....	....	....	....	....	....	1	2	3	15	11	12	18	16	14	9	2	1	....	....	....	51A
51B. Of the kidney	M	37	....	....	1	1	....	2	1	....	....	1	....	2	....	4	4	5	7	4	2	1	1	1	....	....	....	....	51B
51C. Of the prostate gland	M	261	....	....	....	....	....	....	....	....	....	....	....	....	2	2	4	16	25	37	56	59	45	14	1	....	....	....	51C
51D. Of the testicles and annexa	M	18	....	....	1	....	....	....	....	....	2	1	5	2	1	....	....	....	2	2	2	....	....	....	....	....	....	....	51D
51E. Of other male genito-urinary organs	M	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	1	....	....	....	51E
52. Cancer of the skin	M	57	....	2	....	....	....	....	....	....	....	....	....	....	....	2	3	6	4	4	7	13	9	4	2	1	....	....	52
	F	37	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	2	3	3	6	6	3	7	3	1	....	....	
53. Cancer of other or unspecified organs	M	179	....	2	....	2	1	2	7	2	5	4	6	4	3	13	20	19	13	29	19	12	12	2	1	....	....	1	53
	F	241	....	....	....	....	....	2	3	2	5	2	5	3	14	14	27	28	22	28	37	25	15	7	1	1	....	....	
53A. Of the eye and orbit	M	7	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	3	1	....	1	....	....	....	....	....	53A
	F	8	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	2	1	....	1	2	....	....	....	....	....	
53C. Of the glandular system	M	44	....	1	....	....	1	....	1	....	....	1	1	....	....	4	3	5	3	9	2	8	4	1	....	....	....	....	53C
	F	30	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2	6	2	5	8	3	1	1	....	....	....	....	
53D. Of the female urinary organs	F	89	....	....	....	....	....	....	....	....	1	....	2	1	4	5	8	8	7	12	17	9	9	5	....	1	....	....	53D
53E. Of the bones and joints	M	39	....	1	....	....	....	....	1	2	2	1	1	2	....	3	4	1	4	7	7	....	1	1	....	....	....	1	53E
	F	21	....	....	....	....	....	1	1	1	....	....	2	....	....	2	4	1	2	2	2	2	....	....	1	....	....	....	
53F. Of the brain	M	36	....	....	....	1	....	1	4	....	2	1	3	1	2	3	7	7	2	2	....	....	....	....	....	....	....	....	53F
	F	38	....	....	....	....	....	1	1	1	3	2	1	2	5	3	11	5	2	1	....	....	....	....	....	....	....	....	
53G. Of the spine and spinal cord	M	12	....	....	....	....	....	....	....	....	....	1	....	....	....	2	3	1	....	2	3	....	....	....	....	....	....	....	53G
	F	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....	....	
53H. Of the neck	M	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	2	1	2	....	....	....	....	....	53H
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	
53I. Of the abdomen	M	10	....	....	....	....	....	....	....	....	1	....	....	1	1	....	2	1	1	1	1	....	1	....	....	....	....	....	53I
	F	33	....	....	....	....	....	....	....	....	....	....	....	....	2	2	....	3	3	4	7	9	3	....	....	....	....	....	
53J. Of other specified organs	M	10	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	1	2	1	1	....	2	....	1	....	....	....	53J
	F	12	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	1	2	1	3	1	....	1	....	....	....	....	
53K. Multiple cancer	M	11	....	....	....	....	....	1	....	....	....	....	....	....	....	1	1	1	1	2	1	2	1	....	....	....	....	....	53K
	F	5	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	2	....	....	....	....	....	....	....	....	....	
53M. Of unspecified or unknown location	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	53M
54. Non-malignant tumours	M	92	....	....	....	....	....	....	....	....	3	3	3	1	4	5	9	4	5	14	15	16	8	1	1	....	....	....	54
	F	189	....	....	1	1	1	....	5	1	2	1	9	12	22	13	20	16	28	23	15	10	5	3	1	....	....	....	
54A. Of the ovary	F	37	....	....	....	....	....	....	1	....	2	....	3	....	5	4	3	2	5	3	5	2	2	....	....	....	....	....	54A
54B. Of the uterus	F	46	....	....	....	....	....	....	....	....	....	....	3	7	7	5	7	2	4	3	1	3	2	2	....	....	....	....	54B
54D. Of the brain	M	20	....	....	....	....	....	....	....	....	....	2	2	1	2	3	2	1	2	1	2	1	1	....	....	....	....	....	54D
	F	21	....	....	....	1	1	....	2	....	....	1	....	2	5	1	1	2	4	1	....	....	....	....	....	....	....	....	

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																									
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
54E. Of the thyroid gland	M	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	54E
	F	58	....	....	....	....	....	....	....	....	....	....	1	2	3	1	7	10	10	12	7	5	....	....	....	....	....	....	
54F. Of the prostate gland	M	46	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	10	12	12	7	1	1	....	....	....	54F
54G. Of other or unspecified sites	M	24	....	....	....	....	....	....	....	....	2	1	1	....	2	2	6	1	2	3	1	3	....	....	....	....	....	....	54G
	F	27	....	....	1	....	....	....	2	1	....	....	2	1	2	2	2	....	5	4	2	....	1	1	1	....	....	....	
55. Tumours, nature not specified	M	16	....	....	1	....	....	....	....	1	....	1	....	1	....	3	....	1	....	2	3	1	....	1	1	....	....	....	55
	F	19	....	....	....	....	....	....	1	....	....	....	....	1	....	1	3	2	....	2	2	4	1	2	....	....	....	....	
55D. Of the brain	M	7	....	....	1	....	....	....	....	....	....	1	....	1	....	2	....	1	....	....	....	1	....	....	....	....	....	....	55D
	F	9	....	....	....	....	....	....	1	....	....	....	....	1	....	1	2	2	....	1	....	1	....	....	....	....	....	....	
55F. Of the prostate gland	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	55F
55G. Of other or unspecified sites	M	8	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	2	2	....	....	1	1	....	....	....	55G
	F	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	2	3	1	2	....	....	....	....	
CLASS III.—RHEUMATIC DISEASES, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS AND OTHER GENERAL DISEASES																													
Total	...	1123	71	6	7	....	4	21	21	33	20	18	20	14	35	49	78	81	125	157	154	114	72	21	2	....	....	....	
	M	413	42	5	3	....	1	10	9	11	12	8	7	5	14	19	23	24	40	60	54	30	24	11	1	....	....	....	
	F	710	29	1	4	....	3	11	12	22	8	10	13	9	21	30	55	57	85	97	100	84	48	10	1	....	....	....	
56. Acute rheumatic fever	M	55	....	....	....	....	1	6	7	5	6	5	2	....	5	3	3	4	3	1	1	1	1	1	....	....	....	....	56
	F	79	1	....	....	....	3	9	10	10	4	5	6	1	5	4	7	4	3	2	3	1	1	....	....	....	....	....	
57. Chronic rheumatism, osteo-arthritis	M	17	....	....	....	....	....	....	....	....	....	1	....	....	....	....	2	....	....	6	1	1	3	3	....	....	....	....	57
	F	28	....	....	....	....	....	....	....	....	....	....	1	1	1	....	1	1	4	5	4	3	4	3	....	....	....	....	
58. Gout	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	58
59. Diabetes mellitus	M	244	....	1	....	....	....	1	2	5	3	2	3	4	5	11	14	16	33	45	48	26	18	7	....	....	....	....	59
	F	413	1	1	1	....	....	....	1	8	1	....	2	3	5	15	33	30	57	72	77	66	35	5	....	....	....	....	
60. Scurvy	M	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	60
	F	2	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
61. Beriberi	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	61
62. Pellagra	M	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	62
	F	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	
63. Rickets	M	4	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	63
	F	4	2	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
64. Osteomalacia	F	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	64
66. Diseases of the thyroid and parathyroid glands	M	37	5	....	....	....	....	1	....	....	1	....	1	1	3	4	3	1	4	6	3	2	2	....	....	....	....	....	66
	F	136	....	....	....	....	....	....	....	3	3	1	3	2	6	9	14	22	21	16	15	12	7	2	....	....	....	....	

66A. Simple goitre	M	8														1	1			2	2		2						66A
	F	22										1		1			3	4	3	1	2	2	3	2					
66B. Exophthalmic goitre	M	21									1		1	1	3	3	2	1	4	2	1	2							66B
	F	100								1	3		3	1	5	9	10	15	17	14	10	9	3						
66C. Myxoedema, cretinism	F	6								1					1			2			1	1							66C
66D. Tetany	M	4	4																										66D
	F	1								1																			
66E. Others under this title	M	4	1					1												2									66E
	F	7															1	1	1	1	2		1						
67. Diseases of the thymus gland	M	38	33	1	1			1			1						1												67
	F	25	24					1																					
68. Diseases of the adrenals (Addison's disease)	M	2						1					1																68
	F	7										2		1	2	1					1								
69. Other general diseases	M	11	1	1	2						1				1	1		2			1				1				69
	F	14	1		1			1		1		2	1		2	1				2		1			1				
69A. Fatty or amyloid degeneration	M	4													1			2			1								69A
	F	7										2			1	1				2		1							
69C. Others under this title	M	7	1	1	2						1					1									1				69C
	F	7	1		1			1		1			1		1										1				
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS																													
Total	..	555	12	3	3	4	4	12	6	17	12	10	15	13	6	23	26	41	48	67	75	89	49	18	2				
	M	265	6	2	3	3	3	5	4	10	10	4	8	7	3	13	12	19	22	35	34	41	14	7					
	F	290	6	1		1	1	7	2	7	2	6	7	6	3	10	14	22	26	32	41	48	35	11	2				
70. Haemorrhagic conditions	M	10	1							1	1					1		2	1		1		1	1					70
	F	4	1										1				1				1								
70A. Simple purpura	M	7	1															2	1		1		1	1					70A
	F	4	1										1				1				1								
70B. Haemophilia	M	3								1	1					1													70B
71. Anaemia	M	147	3	1	1									3		5	5	5	14	28	27	37	12	6					71
	F	208	3					1		4	2	1	2		1	6	9	10	20	27	32	46	33	10	1				
71A. Pernicious anaemia	M	129			1									3		4	5	5	13	24	25	34	10	5					71A
	F	182	2					1		3	2		2		1	5	7	7	18	26	30	43	27	7	1				
71B. Others under this title	M	18	3	1												1			1	4	2	3	2	1					71B
	F	26	1							1		1				1	2	3	2	1	2	3	6	3					
72. Leukaemia and aleukaemia	M	91	1		2	3	3	5	4	8	6	4	7	3	2	6	6	11	5	6	4	4	1						72
	F	68	2	1		1	1	6	2	3		5	4	5	1	2	3	11	6	4	6	2	1	1	1				
72A. Leukaemia	M	63	1		2	3	3	5	3	6	4	4	3	1	2	2	4	8	2	4	3	2	1						72A
	F	52	2	1		1	1	5	2	3		2	2	4		2	3	7	5	3	5	1	1	1	1				
72B. Aleukaemia (Hodgkin's diseasecase)	M	28							1	2	2		4	2		4	2	3	3	2	1	2							72B
	F	16						1				3	2	1	1			4	1	1	1	1							
73. Diseases of the spleen	M	9									2			1	1			1	1	1	2								73
	F	6													1	1	1	1			1		1						
74. Other diseases of the blood and blood-forming organs	M	8	1	1						1	1		1			1	1		1										74
	F	4												1		1				1	1								

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																									
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 over	Not stated	
CLASS V.—CHRONIC POISONINGS AND INTOXICATIONS																													
Total	...	56	....	....	....	....	....	....	....	....	1	1	2	2	8	9	8	6	6	8	4	1	....	....	....	....	....	....	
	M	42	....	....	....	....	....	....	....	....	....	1	1	1	5	7	5	5	6	8	3	....	....	....	....	....	....	....	
	F	14	....	....	....	....	....	....	....	....	1	....	1	1	3	2	3	1	....	....	1	1	....	....	....	....	....	....	
75. Alcoholism	M	36	....	....	....	....	....	....	....	....	....	1	1	....	5	5	5	4	4	8	3	....	....	....	....	....	....	....	75
	F	8	....	....	....	....	....	....	....	....	1	....	....	....	2	2	1	....	....	....	1	1	....	....	....	....	....	....	
75A. Delirium tremens	M	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	75A
	F	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
75B. Other alcoholic intoxications	M	34	....	....	....	....	....	....	....	....	....	1	1	....	4	5	5	3	4	8	3	....	....	....	....	....	....	....	75B
	F	7	....	....	....	....	....	....	....	....	1	....	....	....	2	1	1	....	....	....	1	1	....	....	....	....	....	....	
76. Chronic poisoning by other organic substances	M	4	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	1	....	....	....	....	....	....	....	....	....	76
	F	3	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	
76A. Chronic morphinism	M	2	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	76A
	F	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	
76D. Other organic poisoning	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	76D
	F	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	
77. Chronic poisoning by mineral substances	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	77
	F	3	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	
77A. Lead (including occupational)	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	77A
77C. Others under this title	F	3	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	77C
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE																													
Total	...	1743	55	22	10	9	3	14	20	36	30	36	39	56	54	79	95	127	143	205	191	221	168	99	28	1	1	1	
	M	902	33	10	8	5	2	8	12	20	19	20	21	33	33	48	60	61	80	113	100	99	71	39	5	1	....	1	
	F	841	22	12	2	4	1	6	8	16	11	16	18	23	21	31	35	66	63	92	91	122	97	60	23	....	1	....	
78. Encephalitis (non-epidemic)	M	22	2	....	1	1	....	3	3	....	1	1	2	....	....	1	4	1	....	....	1	1	....	....	....	....	....	....	78
	F	14	....	2	1	....	....	1	1	2	....	1	3	....	....	....	....	1	....	2	....	....	....	....	....	....	....	....	
79. Simple meningitis	M	31	9	4	1	2	....	1	2	1	2	1	....	1	2	1	....	1	1	1	1	....	....	....	....	....	....	....	79
	F	22	9	3	1	....	....	....	....	1	....	2	1	1	1	2	....	....	1	....	....	....	....	....	....	....	....	....	
80. Progressive locomotor ataxia (tabes dorsalis)	M	17	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	5	....	4	2	....	1	....	....	....	....	....	80
	F	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	....	....	....	....	....	....	....	....	
81. Other diseases of the spinal cord	M	67	....	....	....	....	....	....	1	4	2	3	....	....	6	4	9	5	5	6	6	8	5	3	....	....	....	....	
	F	52	....	....	....	....	....	....	1	....	....	3	1	....	....	4	2	8	6	8	4	12	1	2	....	....	....	....	81
82. Cerebral haemorrhage, cerebral embolism and thrombosis	M	393	....	1	....	....	....	....	....	3	....	1	6	12	5	11	17	24	42	55	70	62	50	28	4	1	....	1	82
	F	421	....	....	....	....	....	....	....	1	....	2	3	7	4	11	15	25	30	46	58	76	77	45	20	....	1	....	

82A. Cerebral haemorrhage	M	289	....	1	....	....	....	....	....	2	....	1	6	11	4	10	14	19	31	39	48	44	37	19	2	....	....	1	82A
	F	338	....	....	....	....	....	....	....	1	....	....	3	7	4	8	14	21	17	39	49	59	66	36	14	....	....	....	
82B. Cerebral embolism and thrombosis	M	59	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	4	9	11	14	5	4	6	1	1	....	....	82B
	F	46	....	....	....	....	....	....	....	....	....	2	....	....	....	2	1	3	7	4	2	5	8	6	5	....	1	....	
82C. Softening of the brain	M	4	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	1	1	....	....	....	....	....	82C
	F	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....	
82D. Hemiplegia and other paralysis, cause not specified	M	41	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	1	2	4	8	12	8	3	1	....	....	....	82D.
	F	34	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	6	3	7	11	2	2	1	....	....	....	
83. General paralysis of the insane	M	52	....	....	....	....	....	....	....	....	....	1	....	6	8	5	7	5	8	6	1	1	1	2	1	....	....	....	83
	F	16	....	....	....	....	....	....	....	....	1	....	2	1	....	2	3	3	2	1	1	....	....	....	....	....	....	....	
84. Dementia praecox and other psychoses	M	90	....	....	....	....	....	....	....	....	4	6	8	5	7	12	8	6	10	15	3	5	....	1	....	....	....	....	84
	F	99	....	....	....	....	1	....	....	....	3	4	2	9	10	4	8	15	11	11	9	7	2	2	1	....	....	....	
84A. Dementia praecox	M	77	....	....	....	....	....	....	....	....	3	5	8	5	6	11	7	5	8	12	3	3	....	1	....	....	....	....	84A
	F	74	....	....	....	....	....	....	....	....	3	4	2	7	7	3	7	9	10	5	7	6	1	2	1	....	....	....	
84B. Other psychoses	M	13	....	....	....	....	....	....	....	....	1	1	....	....	1	1	1	1	2	3	....	2	....	....	....	....	....	....	84B
	F	25	....	....	....	....	1	....	....	....	....	....	....	2	3	1	1	6	1	6	2	1	1	....	....	....	....	....	
85. Epilepsy	M	44	....	1	2	1	....	1	2	6	5	3	3	2	1	3	1	4	3	2	1	....	2	1	....	....	....	....	85
	F	33	....	1	....	2	....	1	....	8	3	2	3	....	....	1	1	5	3	2	....	1	....	....	....	....	....	....	
86. Convulsions (under 5 years of age)	M	15	11	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	86
	F	6	4	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
87. Other diseases of the nervous system	M	124	4	2	1	....	1	....	2	2	3	4	....	3	2	5	8	8	10	20	15	21	9	4	....	....	....	....	87
	F	129	2	2	....	....	....	2	3	....	2	1	3	1	6	6	2	5	8	18	16	24	16	10	2	....	....	....	
87A. Chorea	M	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	87A
	F	6	....	....	....	....	....	....	2	....	1	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	
87B. Neuralgia and neuritis	M	7	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	1	....	1	1	2	....	....	....	....	....	87B
	F	10	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	1	....	3	1	....	....	2	....	....	....	....	
87C. Paralysis agitans	M	47	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	3	5	12	9	13	2	....	....	....	....	....	87C
	F	52	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	3	7	10	9	12	6	2	....	....	....	....	
87D. Sclerosis (other than of the spinal cord)	M	45	....	....	....	....	....	....	....	....	....	1	....	1	2	3	5	5	4	5	4	7	5	3	....	....	....	....	87D
	F	39	....	....	....	....	....	....	....	....	....	....	1	....	4	1	....	1	....	5	2	8	9	6	2	....	....	....	
87E. Others under this title	M	24	3	2	1	....	1	....	2	2	3	3	....	1	....	....	1	....	....	3	1	....	....	1	....	....	....	....	87E
	F	22	2	2	....	....	....	2	....	....	1	1	2	....	2	2	1	....	1	....	2	3	1	....	....	....	....	....	
88. Diseases of the organs of vision	M	5	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	1	1	....	....	....	....	....	88
	F	7	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	1	....	2	1	1	....	....	....	....	....	....	
89. Diseases of the ear and mastoid process	M	42	7	1	2	....	....	2	2	3	2	....	2	4	2	4	3	2	1	3	....	....	2	....	....	....	....	....	89
	F	39	7	3	....	1	....	2	3	3	1	1	....	4	....	1	4	1	2	1	2	1	1	1	....	....	....	....	
89A. Otitis	M	24	7	....	....	....	....	1	1	....	2	....	....	3	2	1	2	1	....	2	....	....	2	....	....	....	....	....	89A
	F	21	4	2	....	1	....	1	....	1	....	....	....	2	....	1	3	....	1	1	2	....	1	1	....	....	....	....	
89B. Diseases of the mastoid process	M	17	....	1	2	....	....	1	1	3	....	....	1	1	....	3	1	1	1	1	....	....	....	....	....	....	....	....	89B
	F	18	3	1	....	....	....	1	3	2	1	1	....	2	....	....	1	1	1	....	....	1	....	....	....	....	....	....	
89C. Others under this title	M	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	89C
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM																													
Total	...	13098	2	6	3	3	....	10	16	24	28	53	63	148	213	375	604	887	1189	1625	2143	2287	1894	1083	343	79	15	5	
	M	7141	1	4	1	1	....	4	4	15	17	34	38	87	131	216	405	577	741	938	1165	1196	888	484	149	34	7	4	
	F	5957	1	2	2	2	....	6	12	9	11	19	25	61	82	159	199	310	448	687	978	1091	1006	599	194	45	8	1	
90–95. Diseases of the heart	M	4559	....	4	1	1	....	2	4	12	17	30	35	79	107	188	333	447	539	641	729	640	425	241	61	13	6	4	90–95
	F	3146	....	2	2	2	....	6	11	6	9	16	23	47	53	100	121	185	256	426	519	543	444	266	79	23	6	1	

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																								
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
90. Pericarditis	M	8	....	1	1	....	....	....	....	1	....	....	....	1	....	1	1	1	....	....	....	....	....	1	....	....	....	....	90
	F	4	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	....	1	....	....	....	....	....	
91. Acute endocarditis	M	49	....	1	....	....	....	....	1	2	2	5	5	10	7	2	5	2	2	1	3	1	....	....	....	....	....	....	91
	F	41	....	....	....	....	....	3	4	4	5	2	1	7	5	2	1	3	....	1	3	....	....	....	....	....	....	....	
91A. Endocarditis, specified as acute	M	39	....	....	....	....	....	....	1	2	2	4	3	6	5	2	5	2	2	1	3	1	....	....	....	....	....	....	91A
	F	33	....	....	....	....	....	3	2	3	4	2	1	6	2	2	1	3	....	1	3	....	....	....	....	....	....	....	
91B. Endocarditis, unspecified (under 45 years of age)	M	10	....	1	....	....	....	....	....	....	....	1	2	4	2	....	....	....	....	....	....	....	....	....	....	....	....	....	91B
	F	8	....	....	....	....	....	....	2	1	1	....	....	1	3	....	....	....	....	....	....	....	....	....	....	....	....	....	
92. Chronic endocarditis, valvular diseases	M	442	....	1	....	....	....	....	2	3	4	9	5	11	15	18	25	36	37	60	66	62	51	27	7	1	1	1	92
	F	439	....	....	....	....	....	2	2	1	4	6	10	7	9	13	27	21	37	57	63	69	62	43	3	2	1	....	
92A. Endocarditis specified as chronic and other valvular diseases	M	357	....	1	....	....	....	....	2	3	4	9	5	11	15	14	20	29	34	47	51	48	39	18	5	....	1	1	92A
	F	371	....	....	....	....	....	2	2	1	4	6	10	7	9	11	22	15	30	48	51	62	51	35	3	1	1	....	
92B. Endocarditis, unspecified (45 years and over)	M	85	....	....	....	....	....	....	....	....	....	....	....	....	....	4	5	7	3	13	15	14	12	9	2	1	....	....	92B
	F	68	....	....	....	....	....	....	....	....	....	....	....	....	....	2	5	6	7	9	12	7	11	8	....	1	....	....	
93. Diseases of the myocardium	M	1151	....	1	....	....	....	1	....	4	4	7	4	8	13	16	39	80	83	146	177	212	179	124	40	9	4	....	93
	F	1171	....	2	2	2	....	1	2	1	....	3	6	12	19	26	24	53	64	119	162	218	234	148	54	15	3	1	
93A. Acute myocarditis	M	59	....	....	....	....	....	....	....	1	3	....	1	1	2	1	3	6	4	10	6	9	6	4	1	1	....	....	93A
	F	41	....	2	1	....	....	1	1	....	....	1	1	1	2	2	3	5	2	4	4	8	2	....	1	....	....	....	
93B. Myocarditis, unspecified (under 45 years of age)	M	16	....	1	....	....	....	1	....	3	1	3	....	3	4	....	....	....	....	....	....	....	....	....	....	....	....	....	93B
	F	18	....	....	1	1	....	....	....	1	....	....	2	9	4	....	....	....	....	....	....	....	....	....	....	....	....	....	
93C. Chronic myocarditis and myocardial degeneration	M	691	....	....	....	....	....	....	....	....	....	4	3	4	7	6	24	50	49	100	112	129	104	69	25	4	1	....	93C
	F	713	....	....	....	1	....	....	1	....	....	2	3	2	13	15	12	27	37	74	101	142	146	94	32	10	1	....	
93D. Myocarditis, unspecified (45 years and over)	M	385	....	....	....	....	....	....	....	....	....	....	....	....	....	9	12	24	30	36	59	74	69	51	14	4	3	....	93D
	F	399	....	....	....	....	....	....	....	....	....	....	....	....	....	9	9	21	25	41	57	68	86	54	21	5	2	1	
94. Diseases of the coronary arteries and angina pectoris	M	2716	....	....	....	....	....	....	1	1	3	6	18	45	64	140	253	324	403	412	459	328	174	70	11	1	....	3	94
	F	1330	....	....	....	....	....	....	....	....	....	1	5	19	15	44	62	102	147	235	266	226	127	61	13	5	2	....	
94A. Diseases of the coronary arteries	M	111	....	....	....	....	....	....	....	....	....	1	3	1	1	2	16	11	18	19	15	13	7	3	1	....	....	....	93A
	F	43	....	....	....	....	....	....	....	....	....	....	....	1	1	2	1	1	3	7	12	8	3	3	1	....	....	....	
94B. Embolism and thrombosis of the coronary arteries	M	2368	....	....	....	....	....	....	1	1	3	2	15	40	61	130	212	289	352	338	408	285	156	63	9	....	....	3	94B
	F	1179	....	....	....	....	....	....	....	....	....	1	5	16	13	40	57	92	134	210	239	196	112	48	10	4	2	....	
94C. Angina pectoris	M	237	....	....	....	....	....	....	....	....	....	3	....	4	2	8	25	24	33	55	36	30	11	4	1	1	....	....	94C
	F	108	....	....	....	....	....	....	....	....	....	....	....	2	1	2	4	9	10	18	15	22	12	10	2	1	....	....	
95. Other diseases of the heart	M	193	....	....	....	1	....	1	....	1	4	3	3	4	8	11	10	4	14	22	24	37	21	19	3	2	1	....	95
	F	161	....	....	....	....	....	....	2	....	....	4	1	2	5	15	7	5	8	14	24	30	20	14	9	1	....	....	

95A. Functional diseases of the heart	M	34	....	....	....	....	....	....	....	....	....	1	....	1	....	2	1	....	3	6	5	7	2	6	....	....	....	....	95A
	F	39	....	....	....	....	....	....	....	....	....	1	1	....	....	2	1	2	2	2	9	7	7	4	....	1	....	....	
95B. Other and unspecified	M	159	....	....	....	1	....	1	....	1	4	2	3	3	8	9	9	4	11	16	19	30	19	13	3	2	1	....	95B
	F	122	....	....	....	....	....	....	2	....	....	3	....	2	5	13	6	3	6	12	15	23	13	10	9	....	....	....	
96. Aneurysm (except of the heart)	M	43	....	....	....	....	....	....	....	2	....	1	1	1	1	3	2	10	8	4	4	5	....	1	....	....	....	....	96
	F	20	....	....	....	....	....	....	....	....	1	1	....	....	2	1	3	2	3	1	3	....	2	1	....	....	....	....	
97. Arteriosclerosis (of coronary arteries excepted)	M	2064	....	....	....	....	....	....	....	....	....	....	....	1	8	10	35	68	140	232	369	461	425	218	77	19	1	....	97
	F	2156	....	....	....	....	....	....	....	....	....	....	....	3	8	16	34	72	113	186	363	437	485	311	106	21	1	....	
98. Gangrene	M	76	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	1	3	3	10	19	17	11	8	2	....	....	98
	F	36	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	2	4	9	12	3	2	1	....	....	
99. Other diseases of the arteries	M	25	....	....	....	....	....	....	....	....	....	1	....	1	1	....	2	2	4	2	3	8	....	1	....	....	....	....	99
	F	27	....	....	....	....	....	....	....	1	1	....	....	1	....	2	2	3	3	3	4	5	2	....	....	....	....	....	
100. Diseases of the veins (varices, haemorrhoids, phlebitis, etc.)	M	33	....	....	....	....	....	....	....	....	....	....	....	1	3	1	2	5	1	7	3	4	2	3	1	....	....	....	100
	F	49	....	....	....	....	....	....	1	....	....	1	1	3	1	2	4	6	5	1	9	12	3	....	....	....	....	....	
101. Diseases of the lymphatic system (lymphangitis, etc.)	M	2	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	101
	F	5	1	....	....	....	....	....	....	1	....	....	....	....	2	....	....	....	....	1	....	....	....	....	....	....	....	....	
102. Idiopathic abnormalities of blood pressure	M	337	....	....	....	....	....	....	....	1	....	2	2	4	11	13	31	43	46	49	47	58	19	9	2	....	....	....	102
	F	517	....	....	....	....	....	....	....	1	....	....	1	7	16	38	34	42	66	67	76	85	58	18	7	....	1	....	
103. Other diseases of the circulatory system	M	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	103
	F	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM																													
Total	...	2711	362	68	21	8	10	25	28	30	21	34	34	49	48	96	102	132	208	211	257	314	314	226	83	25	4	1	
	M	1469	211	41	15	5	9	15	14	16	10	17	17	21	29	59	58	87	133	114	139	176	137	106	28	11	....	1	
	F	1242	151	27	6	3	1	10	14	14	11	17	17	28	19	37	44	45	75	97	118	138	177	120	55	14	4	....	
104. Diseases of the nasal fossae and annexa	M	17	2	....	....	....	....	....	2	1	1	1	2	3	....	1	1	1	1	1	....	....	....	....	....	....	....	....	104
	F	10	1	....	....	....	....	....	....	2	2	....	....	1	1	....	....	....	1	....	1	....	....	1	....	....	....	....	
105. Diseases of the larynx	M	8	....	2	1	1	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	105
	F	11	2	2	1	1	....	....	....	....	....	....	....	....	1	1	....	1	1	....	....	....	....	....	1	....	....	....	
105A. Croup	M	3	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	105A
	F	3	1	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
105B. Other diseases of the larynx	M	5	....	1	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	105B
	F	8	1	1	1	1	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	1	....	....	....	
106. Bronchitis	M	45	9	3	....	....	2	....	....	....	....	1	....	....	....	....	2	3	2	1	2	6	7	4	3	....	....	....	106
	F	40	1	....	....	....	....	1	....	....	....	....	....	1	2	....	1	1	3	1	8	4	7	5	3	....	2	....	
106A Acute	M	12	8	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	106A
	F	11	....	....	....	....	....	1	....	....	....	....	....	1	....	....	1	....	....	....	2	....	2	2	1	....	1	....	
106B. Chronic	M	22	1	1	....	....	2	....	....	....	....	1	....	....	....	....	1	2	1	....	2	5	4	1	1	....	....	....	106B
	F	15	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	3	1	3	4	1	1	....	....	....	....	
106C Unspecified	M	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	3	3	2	....	....	....	106C
	F	14	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	3	....	4	2	2	....	1	....	
107. Bronchopneumonia	M	645	145	20	8	2	1	9	4	3	4	5	3	1	4	14	19	28	49	47	69	77	62	53	10	8	....	....	107
	F	576	97	15	2	....	....	3	6	3	1	7	4	3	2	10	13	13	25	42	59	73	91	67	31	7	2	....	
107A. Bronchopneumonia	M	645	145	20	8	2	1	9	4	3	4	5	3	1	4	14	19	28	49	47	69	77	62	53	10	8	....	....	107A
	F	575	96	15	2	....	....	3	6	3	1	7	4	3	2	10	13	13	25	42	59	73	91	67	31	7	2	....	

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																								
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
107B. Capillary bronchitis	F	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	107B
108. Lobar pneumonia	M	408	20	13	4	2	1	2	6	8	4	7	9	9	15	24	22	30	41	37	42	48	33	20	8	2	....	1	108
	F	320	19	5	1	1	....	3	6	7	4	8	10	14	8	15	16	15	27	30	31	32	43	17	6	2	....	....	
109. Pneumonia, unspecified	M	114	27	2	2	....	....	2	1	....	1	1	1	2	....	2	1	7	8	5	4	17	17	12	2	....	....	....	109
	F	111	24	3	....	1	....	2	1	1	2	1	2	2	....	2	3	2	5	8	6	10	18	10	6	2	....	....	
110. Pleurisy	M	40	3	1	....	....	2	1	....	4	....	....	....	2	2	4	2	4	3	1	5	3	....	2	1	....	....	....	110
	F	23	2	....	1	....	....	1	....	1	2	....	....	2	....	1	1	1	2	4	....	2	1	1	1	....	....	....	
111. Congestion and haemorrhagic infarct of the lung, etc.	M	37	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	....	1	6	5	10	4	1	....	....	111
	F	61	2	....	1	....	....	....	1	....	....	1	1	1	1	1	1	2	3	2	3	5	13	14	6	3	....	....	
111A. Pulmonary embolism and thrombosis	M	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	111A
	F	10	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	1	3	2	....	1	....	....	....	....	....	....	
111B. Others under this title	M	34	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	6	5	10	4	1	....	....	111B
	F	51	2	....	1	....	....	....	....	....	....	....	1	1	....	1	1	1	....	....	3	4	13	14	6	3	....	....	
112. Asthma	M	118	....	....	....	....	....	....	....	....	....	1	2	1	6	8	8	10	17	19	14	16	11	5	....	....	....	....	112
	F	77	....	....	....	....	1	....	....	....	....	....	....	4	3	7	8	8	7	10	10	12	4	2	1	....	....	....	
113. Pulmonary emphysema	M	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	2	....	....	....	....	....	....	113
114. Other diseases of the respiratory system (tuberculosis excepted)	M	33	....	....	....	....	....	....	1	....	....	1	....	3	2	6	3	2	7	3	2	1	2	....	....	....	....	....	114A
	F	13	3	2	....	....	....	....	....	....	....	....	....	....	1	....	1	2	1	....	....	....	....	3	....	....	....	....	
114A. Chronic interstitial pneumonia including occupational diseases of the respiratory system	M	16	....	....	....	....	....	....	1	....	....	....	....	....	1	3	1	2	4	3	1	....	....	....	....	....	....	....	114B
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	
114C. Others under this title	M	17	....	....	....	....	....	....	....	....	....	1	....	3	1	3	2	....	3	....	1	1	2	....	....	....	....	....	114C
	F	11	3	2	....	....	....	....	....	....	....	....	....	....	1	....	1	2	1	....	....	....	....	1	....	....	....	....	
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM																											
Total	..	2142	264	35	13	18	11	42	55	51	53	52	44	65	92	136	144	161	180	192	152	180	121	61	13	6	....	1	
	M	1242	168	22	5	9	9	25	24	32	37	30	29	44	53	72	95	100	118	108	77	85	65	24	6	4	....	1	
	F	900	96	13	8	9	2	17	31	19	16	22	15	21	39	64	49	61	62	84	75	95	56	37	7	2	....	....	
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations)	M	68	4	1	1	1	1	6	1	4	....	3	4	3	2	1	3	7	6	5	5	4	3	3	....	....	....	....	115
	F	81	5	1	1	7	1	4	6	3	2	3	1	3	6	5	5	2	6	5	7	2	5	1	....	....	....	....	

115A. Diseases of the buccal cavity and annexa	M	26	....	....	....	....	....	....	....	....	....	....	....	2	....	....	3	6	4	2	4	1	2	2	....	....	....	....	115A
	F	27	1	....	....	1	....	....	....	1	....	....	....	1	2	3	2	....	4	3	4	1	3	1	....	....	....	....	
115B. Diseases of the tonsils	M	24	2	1	....	1	1	4	....	3	....	3	3	....	2	1	....	....	1	....	....	2	....	....	....	....	....	....	115B
	F	21	1	....	....	1	1	1	4	1	....	2	....	1	2	1	2	1	....	1	2	....	....	....	....	....	....	....	
115C. Others under this title	M	18	2	....	1	....	....	2	1	1	....	....	1	1	....	....	....	1	1	3	1	1	1	1	....	....	....	....	115C
	F	33	3	1	1	5	....	3	2	1	2	1	1	1	2	1	1	1	2	1	1	1	2	....	....	....	....	....	
116. Diseases of the oesophagus	M	2	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	116
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	
117. Ulcer of the stomach or duodenum	M	246	1	....	....	....	....	....	....	....	2	4	6	14	21	30	34	39	31	30	15	10	6	3	....	....	....	....	117
	F	63	....	....	....	....	....	....	....	....	....	....	....	1	4	11	5	7	2	8	8	6	6	4	1	....	....	....	
117A. Ulcer of the stomach	M	109	1	....	....	....	....	....	....	....	1	1	3	6	7	11	13	18	16	15	7	4	5	1	....	....	....	....	117A
	F	37	....	....	....	....	....	....	....	....	....	....	....	....	2	4	4	2	2	4	8	4	3	3	1	....	....	....	
117B. Ulcer of the duodenum	M	137	....	....	....	....	....	....	....	....	1	3	3	8	14	19	21	21	15	15	8	6	1	2	....	....	....	....	117B
	F	26	....	....	....	....	....	....	....	....	....	....	....	1	2	7	1	5	....	4	....	2	3	1	....	....	....	....	
118. Other diseases of the stomach	M	29	5	1	....	....	....	....	....	....	1	....	....	2	....	1	2	2	1	3	3	1	2	3	2	....	....	....	118
	F	17	8	....	....	....	....	1	....	....	....	....	....	....	2	1	....	....	....	....	1	....	2	2	....	....	....	....	
119. Diarrhoea and enteritis (under 2 years of age)	M	165	149	16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	119
	F	88	78	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
120. Diarrhoea and enteritis (2 years and over)	M	71	....	....	2	2	2	7	2	2	3	1	2	3	2	4	3	4	2	8	1	12	6	1	1	1	....	....	120
	F	66	....	....	4	....	....	3	2	3	4	2	....	2	3	5	2	4	2	7	3	12	4	3	1	....	....	....	
120A. Diarrhoea and enteritis	M	44	....	....	2	1	2	6	2	1	2	....	1	1	....	1	....	....	2	5	1	9	5	1	1	1	....	....	120A
	F	44	....	....	4	....	....	3	2	....	2	1	....	1	1	1	1	3	1	5	2	10	4	3	....	....	....	....	
120B. Ulceration of the intestines	M	27	....	....	....	1	....	1	....	1	1	1	1	2	2	3	3	4	....	3	....	3	1	....	....	....	....	....	120B
	F	22	....	....	....	....	....	....	....	3	2	1	....	1	2	4	1	1	1	2	1	2	....	....	1	....	....	....	
121. Appendicitis	M	201	....	3	1	4	5	8	18	18	25	15	11	12	13	18	11	10	10	8	5	2	2	1	....	....	....	1	121
	F	117	....	....	3	2	1	7	22	10	7	4	2	5	5	7	7	7	6	6	6	6	3	1	....	....	....	....	
122. Hernia, intestinal obstruction	M	205	8	....	1	1	1	1	1	4	1	4	1	6	3	4	11	13	25	30	24	25	25	10	3	3	....	....	122
	F	151	3	1	....	....	....	2	....	2	2	3	5	4	9	13	9	13	10	20	16	19	13	7	....	....	....	....	
122A. Hernia	M	108	3	....	....	....	....	....	....	....	....	1	....	4	1	3	5	6	10	19	14	12	20	5	3	2	....	....	122A
	F	70	....	....	....	....	....	....	....	....	....	1	....	1	7	6	4	7	5	11	10	11	4	3	....	....	....	....	
122B. Intestinal obstruction	M	97	5	....	1	1	1	1	1	4	1	3	1	2	2	1	6	7	15	11	10	13	5	5	....	1	....	....	122B
	F	81	3	1	....	....	....	2	....	2	2	2	5	3	2	7	5	6	5	9	6	8	9	4	....	....	....	....	
123. Other diseases of the intestines	M	33	....	....	....	....	....	1	....	1	....	1	1	....	4	3	3	4	6	1	2	5	1	....	....	....	....	....	123
	F	20	2	....	....	....	....	....	....	....	....	1	1	1	....	1	1	1	1	3	3	2	1	2	....	....	....	....	
124. Cirrhosis of the liver	M	95	....	....	....	....	....	....	....	1	1	....	....	2	3	4	14	13	17	14	8	9	9	....	....	....	....	....	124
	F	61	....	....	....	....	....	....	....	1	....	2	....	....	3	3	5	6	10	8	6	9	4	4	....	....	....	....	
124A. Specified as alcoholic	M	8	....	....	....	....	....	....	....	....	....	....	....	1	....	....	2	....	2	1	....	2	....	....	....	....	....	....	124A
	F	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	
124B. Not specified as alcoholic	M	87	....	....	....	....	....	....	....	1	1	....	....	1	3	4	12	13	15	13	8	7	9	....	....	....	....	....	124B
	F	60	....	....	....	....	....	....	....	1	....	2	....	....	2	3	5	6	10	8	6	9	4	4	....	....	....	....	
125. Other diseases of the liver	M	28	1	....	....	....	....	....	2	....	2	1	2	....	....	1	4	1	4	3	2	3	1	1	....	....	....	....	125
	F	17	....	....	....	....	....	....	....	....	....	1	2	....	....	2	3	....	1	2	....	4	....	1	1	....	....	....	
125A. Yellow atrophy of the liver	M	6	....	....	....	....	....	....	1	....	1	1	....	....	....	....	2	....	1	....	....	....	....	....	....	....	....	....	125A
	F	7	....	....	....	....	....	....	....	....	....	1	1	....	....	2	3	....	....	....	....	....	....	....	....	....	....	....	
125B. Others under this title	M	22	1	....	....	....	....	....	1	....	1	....	2	....	....	1	2	1	3	3	2	3	1	1	....	....	....	....	125B
	F	10	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	2	....	4	....	1	1	....	....	....	
126. Biliary calculi	M	33	....	....	....	....	....	....	....	....	....	....	1	....	3	2	5	2	5	4	2	4	4	1	....	....	....	....	126
	F	95	....	....	....	....	....	....	....	....	1	2	2	3	5	9	7	12	11	10	10	15	5	1	2	....	....	....	
127. Other diseases of the gall-bladder and biliary passages	M	46	....	....	....	....	....	1	....	....	....	....	....	1	....	2	1	5	10	2	10	8	5	1	....	....	....	....	127
	F	102	....	....	....	....	....	....	....	....	....	2	2	1	1	6	2	8	11	13	12	19	12	10	2	1	....	....	
128. Diseases of the pancreas	M	11	....	....	....	....	....	....	....	1	....	....	1	....	1	2	3	....	1	....	....	1	1	....	....	....	....	....	128
	F	12	....	....	....	....	....	....	....	....	....	1	....	....	....	1	3	1	1	2	2	....	....	1	....	....	....	....	
129. Peritonitis, cause not specified	M	9	....	....	....	1	....	1	....	1	2	1	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	129
	F	8	....	1	....	....	....	....	1	....	....	1	....	1	1	....	....	....	1	....	....	....	1	....	....	1	....	....	

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																									
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
CLASS X.—DISEASES OF THE GENITO-URINARY SYSTEM																													
Total	...	2788	6	6	1	3	....	8	12	21	19	27	31	44	73	89	135	165	236	312	426	462	416	205	77	11	1	2	
	M	1690	5	4	....	2	....	4	6	10	9	12	13	19	33	42	68	92	147	200	279	296	268	124	51	4	1	1	
	F	1098	1	2	1	1	....	4	6	11	10	15	18	25	40	47	67	73	89	112	147	166	148	81	26	7	....	1	
130. Acute nephritis (including unspecified, under 10 years of age)	M	31	1	2	....	1	....	2	2	3	1	3	....	....	2	2	3	1	3	1	2	1	1	....	....	....	....	....	130
	F	37	1	....	1	1	....	3	1	3	1	....	2	1	3	2	3	5	1	2	5	....	2	....	....	....	....	....	
131. Chronic nephritis	M	686	....	....	....	1	....	1	4	4	3	6	8	10	16	18	39	48	78	89	103	93	107	45	11	1	....	1	131
	F	679	....	1	....	....	....	1	4	2	7	9	7	8	20	22	41	47	59	72	98	113	97	53	13	4	....	1	
132. Nephritis, unspecified (10 years and over)	M	256	....	....	....	....	....	....	....	1	2	2	5	2	5	9	12	15	31	37	33	48	31	17	6	....	....	....	132
	F	200	....	....	....	....	....	....	....	1	1	1	3	6	2	7	11	9	17	23	28	37	28	17	8	1	....	....	
133. Other diseases of the kidneys and ureters	M	82	1	2	....	....	....	1	....	2	1	1	....	2	5	6	4	7	6	8	14	9	9	2	2	....	....	....	133
	F	59	....	1	....	....	....	....	1	2	....	....	1	2	4	4	3	6	4	7	6	7	7	2	1	1	....	....	
134. Calculi of the urinary passages	M	45	....	....	....	....	....	....	....	....	1	....	....	2	1	5	2	5	6	5	7	7	3	1	....	....	....	....	134
	F	18	....	....	....	....	....	....	....	....	....	....	1	1	....	1	4	2	1	1	4	1	1	1	....	....	....	....	
135. Diseases of the bladder (tumours excepted)	M	54	....	....	....	....	....	....	....	....	....	....	....	....	1	1	3	1	3	7	9	14	6	3	6	....	....	....	135
	F	44	....	....	....	....	....	....	....	....	....	....	....	....	1	4	....	2	2	3	1	8	10	8	4	1	....	....	
136. Diseases of the urethra, urinary abscess, etc.	M	25	....	....	....	....	....	....	....	....	1	....	....	1	3	1	2	2	2	3	4	5	1	....	....	....	....	....	136
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	
136A. Stricture of the urethra	M	18	....	....	....	....	....	....	....	....	1	....	....	....	2	1	2	2	1	3	2	3	1	....	....	....	....	....	135A
136B. Others under this title	M	7	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	....	2	2	....	....	....	....	....	....	136B
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	
137. Diseases of the prostate	M	500	....	....	....	....	....	....	....	....	....	....	....	2	....	....	3	13	16	50	107	118	109	54	24	3	1	....	137
138. Diseases of the male genital organs (not specified as venereal)	M	11	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	1	1	2	2	....	....	....	138
139. Diseases of the female genital organs (not specified as venereal)	F	59	....	....	....	....	....	....	....	3	1	5	4	7	10	7	5	2	5	4	4	....	2	....	....	....	....	....	139
139A. Of the ovary, Fallopian tube and parametrium	F	24	....	....	....	....	....	....	....	2	1	4	....	2	7	3	3	....	....	1	1	....	....	....	....	....	....	....	139A
139B. Of the uterus	F	30	....	....	....	....	....	....	....	1	....	....	3	4	3	4	2	2	4	3	2	....	2	....	....	....	....	....	139B
139C. Of the breast	F	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	139C
139D. Others under this title	F	3	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	139D

CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE																													
Total	...	276	...	...	...	...	...	...	...	20	51	55	58	62	27	3	...	...	...	...	...	...	...	...	...	...	...	...	
140. Abortion with septic conditions	F	42	...	...	...	...	...	...	...	4	7	9	7	14	1	...	...	...	...	...	...	...	...	...	...	...	...	...	140
140A. Abortion	F	24	...	...	...	...	...	...	...	3	5	4	5	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	140A
140B. Self-induced abortion	F	18	...	...	...	...	...	...	...	1	2	5	2	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	140B
141. Abortion without mention of septic conditions (haemorrhage included)	F	10	...	...	...	...	...	...	...	...	3	3	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	141
141A. Abortion	F	6	...	...	...	...	...	...	...	...	2	1	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	141A
141B. Self-induced abortion	F	4	...	...	...	...	...	...	...	...	1	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	141B
142. Ectopic gestation	F	11	...	...	...	...	...	...	...	...	...	4	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	142
142A. With septic conditions	F	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	142A
142B. Without mention of septic conditions	F	10	...	...	...	...	...	...	...	...	...	4	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	142B
143. Other accidents of pregnancy (haemorrhage excluded)	F	4	...	...	...	...	...	...	...	1	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	143
144. Puerperal haemorrhage	F	38	...	...	...	...	...	...	...	2	4	7	12	6	5	2	...	...	...	...	...	...	...	...	...	...	...	...	144
144A. Placenta praevia	F	11	...	...	...	...	...	...	...	1	...	1	3	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	144A
144B. Other haemorrhages	F	27	...	...	...	...	...	...	...	1	4	6	9	3	3	1	...	...	...	...	...	...	...	...	...	...	...	...	144B
145. Puerperal septicaemia (not specified as due to abortion)	F	50	...	...	...	...	...	...	...	4	13	9	8	11	5	...	...	...	...	...	...	...	...	...	...	...	...	...	145
145A. Puerperal septicaemia and pyaemia	F	50	...	...	...	...	...	...	...	4	13	9	8	11	5	...	...	...	...	...	...	...	...	...	...	...	...	...	145A
146. Puerperal albuminuria and eclampsia	F	42	...	...	...	...	...	...	...	4	8	8	6	13	3	...	...	...	...	...	...	...	...	...	...	...	...	...	146
147. Other toxaemias of pregnancy	F	13	...	...	...	...	...	...	...	1	3	4	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	147
148. Puerperal phlegmasia alba dolens, embolism or sudden death (not specified as septic)	F	44	...	...	...	...	...	...	...	2	9	5	11	10	7	...	...	...	...	...	...	...	...	...	...	...	...	...	148
148A. Phlegmasia alba dolens and thrombosis	F	8	...	...	...	...	...	...	...	1	2	...	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	148A
148B. Embolism	F	25	...	...	...	...	...	...	...	1	5	5	3	6	5	...	...	...	...	...	...	...	...	...	...	...	...	...	148B
148C. Sudden death	F	11	...	...	...	...	...	...	...	...	2	...	5	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	148C
149. Other accidents of childbirth	F	21	...	...	...	...	...	...	...	2	2	6	4	3	3	1	...	...	...	...	...	...	...	...	...	...	...	...	149
149A. Caesarean operation	F	10	...	...	...	...	...	...	...	1	1	3	1	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	149A
149C. Dystocia	F	5	...	...	...	...	...	...	...	...	...	2	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	149C
149D. Rupture of uterus in parturition	F	3	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	194D
149E. Others under this title	F	3	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	149E
150. Other or unspecified condition of the puerperal state	F	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150
150B. Others under this title	F	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150B
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE																													
Total	...	75	13	...	...	1	...	1	2	...	3	4	...	2	2	6	7	2	6	6	4	7	4	3	2	...	...	...	
	M	47	8	...	...	1	...	...	1	...	3	3	...	2	2	3	4	2	3	5	3	3	1	2	1	...	...	...	
	F	28	5	...	...	...	...	1	1	...	...	1	...	...	...	3	3	...	3	1	1	4	3	1	1	...	...	...	
151. Carbuncle	M	13	2	...	...	...	...	...	...	...	1	1	...	...	...	...	1	1	3	2	1	...	...	...	1	...	...	...	151
	F	6	...	...	...	...	...	1	1	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	1	...	...	...	

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																									
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
152. Cellulitis, acute abscess......	M	26	5	....	....	1	....	....	....	....	2	1	....	2	2	2	2	1	....	2	2	3	....	1	....	....	....	....	152
	F	9	2	....	....	....	....	....	....	....	....	1	....	....	....	1	1	....	1	1	....	2	....	....	....	....	....	....	
153. Other diseases of the skin and annexa and of the cellular tissue	M	8	1	....	....	....	....	....	1	....	....	1	....	....	....	1	1	....	....	1	....	....	1	1	....	....	....	....	153
	F	13	3	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	2	....	....	2	2	1	....	....	....	....	
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF LOCOMOTION																													
Total..................	...	98	6	2	....	....	1	2	6	1	4	3	3	3	3	3	6	3	8	4	11	10	8	9	1	....	1	....	
	M	56	5	1	....	....	1	2	2	1	4	2	1	3	2	2	5	1	5	4	4	4	3	3	....	....	1	....	
	F	42	1	1	....	....	....	....	4	....	....	1	2	....	1	1	1	2	3	....	7	6	5	6	1	....	....	....	
154. Osteomyelitis....	M	23	3	....	....	....	1	1	2	1	3	1	1	1	....	1	1	1	1	1	2	1	1	....	....	....	....	....	154
	F	10	1	....	....	....	....	....	2	....	....	1	1	....	....	....	1	....	....	....	2	....	....	2	....	....	....	....	
155. Other diseases of the bones (tuberculosis excepted)	M	15	....	....	....	....	....	....	....	....	....	....	....	2	1	....	1	....	1	1	2	3	1	2	....	....	1	....	155
	F	21	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	3	....	5	5	2	4	1	....	....	....	
156. Diseaes of the joints and other organs of locomotion.......	M	18	2	1	....	....	....	1	....	....	1	1	....	....	1	1	3	....	3	2	....	....	1	1	....	....	....	....	156
	F	11	....	1	....	....	....	....	1	....	....	....	1	....	1	1	....	2	....	....	....	1	3	....	....	....	....	....	
156A. Of the joints (tuberculosis and rheumatism excepted)..	M	9	1	....	....	....	....	....	....	....	....	1	....	....	1	....	2	....	1	2	....	....	....	1	....	....	....	....	156A
	F	7	....	1	....	....	....	....	1	....	....	....	1	....	1	1	....	....	....	....	....	....	2	....	....	....	....	....	
156B. Of other organs of locomotion	M	9	1	1	....	....	....	1	....	....	1	....	....	....	....	1	1	....	2	....	....	....	1	....	....	....	....	....	156B
	F	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	1	1	....	....	....	....	....	
CLASS XIV.—CONGENITAL MALFORMATIONS																													
Total	...	505	429	19	8	2	1	8	7	6	10	2	3	2	1	4	....	1	....	1	1	....	....	....	....	....	....	....	
	M	271	231	7	4	....	....	7	4	4	6	2	1	1	....	2	....	....	....	1	1	....	....	....	....	....	....	....	
	F	234	198	12	4	2	1	1	3	2	4	....	2	1	1	2	....	1	....	....	....	....	....	....	....	....	....	....	
157. Congenital malformations (stillbirths excluded).......	M	271	231	7	4	....	....	7	4	4	6	2	1	1	....	2	....	....	....	1	1	....	....	....	....	....	....	....	157
	F	234	198	12	4	2	1	1	3	2	4	....	2	1	1	2	....	1	....	....	....	....	....	....	....	....	....	....	
157A. Congenital hydrocephalus...	M	40	30	2	3	....	....	....	....	1	2	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	157A
	F	27	20	4	....	....	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	

157B. Spina bifida and meningocele	M	52	48	2	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	157B
	F	80	73	3	1	....	1	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	
157C. Congenital malformations of the heart	M	107	91	3	....	....	....	5	3	1	3	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	157C
	F	80	65	3	3	2	....	....	3	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
157D. Monstrosities	M	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	157D
	F	4	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
157E. Others under this title	M	69	59	....	1	....	....	1	1	1	1	1	1	1	....	1	....	....	....	....	1	....	....	....	....	....	....	....	157E
	F	43	36	2	....	....	....	....	....	1	....	....	1	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	
CLASS XV.—DISEASES OF EARLY INFANCY																													
Total	.	1504	1504	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	M	882	882	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	F	622	622	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
158. Congenital debility	M	52	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	F	38	38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
159. Premature birth	M	540	540	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	159
	F	399	399	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
160. Injury at birth	M	161	161	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	160
	F	100	100	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
160A. With mention of caesarean operation	M	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	160A
	F	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
160B. Without mention of caesarean operation	M	160	160	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	160B
	F	98	98	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161. Other diseases peculiar to early infancy (under 3 months)	M	129	129	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	151
	F	85	85	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161A. Atelectasis	M	51	51	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161A
	F	30	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161B. Icterus of the new-born	M	15	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161B
	F	10	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161C. Sclerema and oedema	M	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	F	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161D. Athrepsia	M	5	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161D
	F	4	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161E. Others, including lack of care	M	50	50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161E
	F	36	36	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
161F. No cause given, no doctor in attendance	M	5	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161F
	F	4	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
CLASS XVI.—SENILITY																													
Total	...	400	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	29	70	98	107	68	22	5	..	
	M	166	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	11	26	49	47	25	4	3	....	
	F	234	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18	44	49	60	43	18	2	....	
162. Senility	M	166	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	11	26	49	47	25	4	3	....	162
	F	234	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18	44	49	60	43	18	2	.	
162A. With senile dementia (70 years and over)	M	45	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	10	12	10	6	....	....	....	162A
	F	53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10	21	6	10	6	....			

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
162B. Without senile dementia (70 and over)	M	1 20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	16	37	37	19	4	3	....	162B
	F	181	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8	23	43	50	37	18	2	....	
162C. Premature senility (55 years but under 70 years)	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	162C
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS																													
Total	..	2718	60	48	25	33	27	121	77	129	156	165	144	124	100	158	168	150	144	147	167	177	184	146	48	11	....	9	
	M	1863	39	32	15	23	17	80	57	101	132	136	122	100	81	130	127	116	111	105	101	84	70	57	13	5	....	9	
	F	855	21	16	10	10	10	41	20	28	24	29	22	24	19	28	41	34	33	42	66	93	114	89	35	6	....	....	
163–171. Suicides	M	272	....	....	....	....	....	....	....	4	9	26	19	19	25	33	35	26	23	25	16	7	2	....	1	....	....	2	163–171
	F	85	....	....	....	....	....	....	....	4	3	9	6	11	8	7	14	10	7	2	3	1	....	....	....	....	....	....	
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	M	30	....	....	....	....	....	....	....	....	1	5	6	2	2	5	3	....	4	1	1	....	....	....	....	....	....	....	163
	F	30	....	....	....	....	....	....	....	3	2	4	3	2	2	2	5	4	2	1	....	....	....	....	....	....	....	....	
164. Suicide by poisonous gas	M	29	....	....	....	....	....	....	....	....	....	3	....	....	3	5	6	2	6	3	1	....	....	....	....	....	....	....	164
	F	9	....	....	....	....	....	....	....	....	....	1	....	1	2	2	1	1	....	....	1	....	....	....	....	....	....	....	
165. Suicide by hanging or strangulation	M	72	....	....	....	....	....	....	....	2	....	....	5	7	6	10	14	11	4	5	4	3	1	....	....	....	....	....	165
	F	12	....	....	....	....	....	....	....	1	....	1	1	1	2	1	2	1	2	....	....	....	....	....	....	....	....	....	
166. Suicide by drowning	M	29	....	....	....	....	....	....	....	....	2	3	2	....	1	3	3	2	2	6	2	1	....	....	....	....	....	2	166
	F	19	....	....	....	....	....	....	....	....	1	....	2	2	1	1	5	3	3	....	1	....	....	....	....	....	....	....	
167. Suicide by firearms	M	72	....	....	....	....	....	....	....	2	5	11	4	6	6	5	8	9	3	5	4	2	1	....	1	....	....	....	167
	F	5	....	....	....	....	....	....	....	....	....	1	....	3	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
168. Suicide by cutting or piercing instruments	M	19	....	....	....	....	....	....	....	....	....	1	....	1	3	4	....	....	3	4	2	1	....	....	....	....	....	....	168
	F	5	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	1	1	....	....	....	....	....	....	
169. Suicide by jumping from high places	M	10	....	....	....	....	....	....	....	....	1	1	....	1	2	1	....	1	1	1	1	....	....	....	....	....	....	....	169
	F	3	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	
170. Suicide by crushing	M	6	....	....	....	....	....	....	....	....	....	1	....	1	1	....	1	1	....	....	1	....	....	....	....	....	....	....	170
	F	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
171. Suicide by other means	M	5	....	....	....	....	....	....	....	....	....	1	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	171
	F	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	
173-175. Homicides	M	30	8	....	....	....	....	....	1	....	....	....	3	3	4	1	3	2	2	1	....	1	1	....	....	....	....	....	173–175
	F	9	2	....	....	....	....	....	....	1	2	3	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	
173. Homicide by firearms	M	6	....	....	....	....	....	....	....	....	....	....	....	2	1	1	1	1	....	....	....	....	....	....	....	....	....	....	173
	F	3	....	....	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	

174. Homicide?by cutting or piercing instruments	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	174
	F	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	
175. Homicide by other means	M	23	8	....	....	....	....	....	1	....	....	....	3	1	3	....	2	1	2	1	....	....	1	....	....	....	....	....	175
	F	4	2	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
176–198. Other violent deaths	M	1561	31	32	15	23	17	80	56	97	123	110	100	78	52	96	89	88	86	79	85	76	67	57	12	5	....	7	176–198
	F	761	19	16	10	10	10	41	20	23	19	17	16	13	11	21	27	24	26	40	62	92	114	89	35	6	....	....	
176. Attack by venomous animals	M	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	176
177. Food poisoning	M	4	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	177
	F	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	
178. Accidental absorption of toxic gases	M	27	....	1	....	....	....	....	1	....	1	3	3	2	2	3	4	2	1	....	1	3	....	....	....	....	....	....	178
	F	18	....	....	....	....	....	....	1	1	....	1	1	1	1	2	....	2	1	1	1	2	2	1	....	....	....	....	
179. Other acute accidental poisonings (except by gas)	M	9	....	1	3	1	....	....	....	....	1	....	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	179
	F	4	....	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	
180. Conflagration	M	42	3	3	2	3	1	3	2	....	3	1	2	3	....	2	2	3	3	1	1	3	1	....	....	....	....	....	180
	F	22	....	2	1	....	2	2	6	1	....	....	2	....	....	1	....	1	....	2	1	....	1	....	....	....	....	....	
181. Accidental burns (conflagration excepted)	M	40	1	4	3	1	....	3	....	6	1	3	2	1	1	2	....	2	4	2	2	....	....	1	1	....	....	....	181
	F	41	1	3	3	2	1	7	....	1	1	1	1	2	1	2	2	....	....	....	2	7	....	2	1	1	....	....	
182. Accidental mechanical suffocation	M	32	19	4	....	....	....	....	....	....	1	1	2	....	....	1	2	....	....	....	....	1	1	....	....	....	....	....	182
	F	21	18	....	....	....	....	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
183. Accidental drowning	M	243	1	2	2	6	7	22	22	31	25	21	21	20	10	10	11	8	7	7	4	2	....	1	....	....	....	3	183
	F	35	....	1	2	....	....	6	4	6	1	5	5	2	....	....	2	1	....	....	....	....	....	....	....	....	....	....	
184. Accidental injury by firearms	M	33	....	....	....	....	....	....	2	5	4	7	3	4	1	1	....	5	....	1	....	....	....	....	....	....	....	....	184
185. Accidental injury by cutting or piercing instruments	M	16	....	1	....	....	1	....	1	....	2	1	1	....	3	1	....	1	....	1	2	1	....	....	....	....	....	....	185
	F	5	....	1	....	....	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	
186. Accidental injury by fall, crushing or landslide	M	973	2	11	5	9	8	48	25	49	80	64	50	44	29	65	62	52	59	57	66	59	60	51	11	5	....	2	186
	F	568	....	5	4	5	5	23	9	14	16	7	6	8	9	14	21	19	23	34	51	75	101	83	31	5	....	....	
188. Injuries by animals	M	15	....	....	....	1	....	....	1	....	....	....	2	....	....	1	....	3	2	2	1	1	1	....	....	....	....	....	188
	F	3	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	
189. Hunger or thirst	M	4	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	....	....	....	....	....	189
190. Excessive cold	M	15	1	....	....	....	....	....	....	1	1	....	....	....	1	1	1	1	3	3	1	....	1	....	....	....	....	....	190
	F	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
191. Excessive heat	M	21	1	2	....	....	....	....	....	....	....	1	....	....	....	2	....	3	4	1	3	1	....	3	....	....	....	....	191
	F	12	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	3	3	1	2	....	....	....	
192. Lightning	M	9	....	....	....	....	....	....	....	....	....	....	2	1	1	2	1	2	....	....	....	....	....	....	....	....	....	....	192
	F	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
193. Accidents due to electric currents	M	18	....	....	....	....	....	2	1	1	1	1	5	....	3	2	1	1	....	....	....	....	....	....	....	....	....	....	193
	F	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
194. Other accidents	M	48	2	2	....	1	....	2	1	4	3	6	2	3	1	2	1	4	3	2	2	5	1	1	....	....	....	....	194
	F	23	....	1	....	1	1	....	....	....	....	1	....	....	....	....	1	....	....	1	6	4	5	2	....	....	....	....	
194A. Foreign body	M	6	2	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	194A
	F	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
194B. Others under this title	M	42	....	1	....	....	....	2	1	3	3	6	2	3	1	2	1	4	2	2	2	5	1	1	....	....	....	....	194B
	F	22	....	....	....	1	1	....	....	....	....	1	....	....	....	....	1	....	....	1	6	4	5	2	....	....	....	....	
195. Violent deaths of which the nature (accident, suicide, homicide) is unknown	M	9	....	....	....	....	....	....	....	....	....	....	3	....	....	1	2	1	....	....	....	....	....	....	....	....	....	2	195
	F	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....	
198. Capital punishment	M	2	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	198

TABLE 37—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1939—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																										
			Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 and over	Not stated	
CLASS XVIII.—ILL-DEFINED CAUSES OF DEATH																													
Total	...	57	11	2	1	....	1	4	2	1	....	3	1	1	....	3	....	3	4	9	3	7	....	1	....	....	....	....	
	M	38	7	....	1	....	....	3	2	1	....	1	....	1	....	2	....	2	3	6	2	6	....	1	....	....	....	....	
	F	19	4	2	....	....	1	1	....	....	....	2	1	....	....	1	....	1	1	3	1	1	....	....	....	....	....	....	
199. Sudden death	M	13	1	....	....	....	....	1	....	....	....	....	....	1	....	1	....	1	....	1	2	4	....	1	....	....	....	....	199
	F	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	1	1	....	....	....	....	....	....	
200. Cause of death not specified or ill-defined	M	25	6	....	1	....	....	2	2	1	....	1	....	....	....	1	....	1	3	5	....	2	....	....	....	....	....	....	200
	F	14	4	2	....	....	1	1	....	....	....	2	1	....	....	1	....	1	1	....	....	....	....	....	....	....	....	....	

SPECIAL CLASSES OF ACCIDENTAL DEATHS

(Included also under the numbers of the International List above)

ONTARIO, 1939

A. Accidents in mines and quarries.	M	38	....	....	....	....	....	....	....	1	5	10	6	8	3	1	4	....	....	....	....	....	....	....	....	....	....	....	A
B. Accidents caused by machines.	M	48	....	1	....	1	....	2	1	2	5	2	7	2	2	5	6	3	2	4	3	....	....	....	....	....	....	....	B
	F	6	....	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	2	....	....	1	....	....	....	....	....	
C. Railway accidents	M	70	....	2	....	1	....	2	2	3	5	10	4	4	4	13	8	2	2	3	1	1	1	....	1	....	....	1	C
	F	9	....	....	....	....	....	....	1	3	....	....	....	....	1	1	1	....	....	1	....	1	....	....	....	....	....	....	
D. Street-car accidents	M	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	1	1	1	....	....	....	....	....	....	D
	F	8	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	2	2	1	1	....	....	....	....	....	
E. Automobile and motorcycle accidents	M	505	2	5	5	6	7	39	19	41	51	39	34	27	13	29	32	26	35	29	29	21	7	5	3	....	....	1	E
	F	177	....	3	1	4	4	21	5	10	18	5	7	7	5	9	17	12	13	12	13	3	6	1	1	....	....	....	
F. Other land transportation	M	42	....	....	....	....	....	2	3	4	3	2	....	1	2	5	4	4	2	2	2	2	3	....	1	....	....	....	F
	F	4	....	....	1	....	....	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	
G. Water transportation	M	70	....	....	....	....	....	2	....	9	8	10	9	10	5	3	3	4	1	2	1	1	1	....	....	....	....	1	G
	F	3	....	....	....	....	....	....	....	....	....	....	2	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	
H. Air transportation	M	18	....	....	....	....	....	....	....	....	11	6	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	H

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
DEATHS—ALL CAUSES														
Total	...	**37,530**	**4289**	**858**	**938**	**1332**	**2506**	**2**	**166**	**2044**	**6285**	**8064**	**6**	**10898**
	M	20,310	2499	563	619	861	1191	2	41	981	3775	5503	5	4145
	F	17,220	1790	295	319	471	1315	.....	125	1063	2510	2561	1	6753
CLASS 1.—INFECTIOUS AND PARASITIC DISEASES														
Total	...	2,798	480	185	205	104	136	1	34	319	406	371	.....	549
	M	1544	259	104	114	68	67	1	4	171	277	247	.....	225
	F	1,254	221	81	91	36	69	.....	30	148	129	124	.....	324
1. Typhoid fever	M	8	1	1	.....	.....	.....	.....	1	4	.....	1	.....	.....
	F	8	3	1	.....	.....	1	.....	.....	2	1	.....	.....	.....
2. Paratyphoid fever	M	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
	F	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5. Undulant fever	M	2	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....
7. Measles	M	19	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	25	22	.....	.....	.....	1	.....	.....	2	.....	.....	.....	.....
8. Scarlet fever	M	30	22	4	.....	.....	.....	.....	.....	2	1	.....	.....	1
	F	23	18	2	.....	.....	.....	.....	.....	2	1	.....	.....	.....
9. Whooping-cough	M	40	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	35	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10. Diphtheria	M	8	6	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....
	F	5	4	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
11. Influenza	M	584	80	15	14	15	41	.....	.....	26	86	162	.....	144
	F	606	61	12	11	21	59	.....	2	30	61	93	.....	255
11A. Sole cause	M	47	8	.....	.....	.....	4	.....	.....	1	2	11	.....	21
	F	37	7	.....	1	.....	3	.....	.....	1	3	3	.....	19
11B. With bronchitis	M	27	2	.....	1	1	3	.....	.....	.....	5	6	.....	9
	F	25	1	.....	.....	.....	2	.....	.....	1	4	5	.....	12
11C. With pneumonia	M	280	37	9	7	9	17	.....	.....	13	50	69	.....	68
	F	271	27	7	6	13	27	.....	2	16	21	38	.....	113
11D. With other diseases of the respiratory system	M	37	2	1	.....	.....	4	.....	.....	1	5	16	.....	8
	F	37	1	.....	.....	1	3	.....	.....	3	5	5	.....	19
11E. With intestinal complications	M	22	10	1	3	.....	.....	.....	.....	1	2	2	.....	3
	F	26	9	.....	.....	1	3	.....	.....	.....	1	3	.....	9
11F. With other causes	M	171	21	4	3	5	13	.....	.....	10	22	58	.....	35
	F	210	16	5	4	6	21	.....	.....	9	27	39	.....	83
13. Dysentery	M	16	9	1	.....	.....	.....	.....	.....	.....	.....	5	.....	1
	F	11	8	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	1
15. Erysipelas	M	16	1	.....	1	.....	.....	.....	.....	.....	5	2	.....	7
	F	9	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	6
16. Poliomyelitis and polioencephalitis (acute)	M	18	9	5	1	.....	1	.....	.....	1	.....	1	.....	.....
	F	5	2	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
17. Lethargic or epidemic encephalitis	M	11	.....	.....	1	1	.....	.....	.....	1	7	1	.....	.....
	F	4	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	1
18. Epidemic cerebrospinal meningitis	M	11	5	.....	1	1	.....	.....	.....	3	1	.....	.....	.....
	F	7	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22. Tetanus	M	8	4	1	.....	.....	.....	.....	1	.....	.....	2	.....	.....
	F	3	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
23–32. Tuberculosis	M	625	37	65	87	40	21	1	2	115	141	53	.....	58
	F	460	44	62	75	13	8	.....	28	105	50	28	.....	47
23. Tuberculosis of the respiratory system	M	543	10	56	77	38	20	.....	2	103	128	46	.....	58
	F	393	21	56	67	11	8	.....	27	94	42	22	.....	45
24. Tiberculosis of the meninges and central nervous system	M	29	19	3	3	1	.....	.....	.....	3	.....	.....	.....	.....
	F	29	20	2	2	.....	.....	.....	1	3	1	.....	.....	.....
25. Tuberculosis of the intestines and peritoneum	M	15	2	4	.....	.....	.....	.....	.....	1	5	3	.....	.....
	F	12	1	4	1	1	.....	.....	.....	3	2	.....	.....	.....
26. Tuberculosis of the vertebral column	M	13	2	.....	4	1	.....	.....	.....	2	2	2	.....	.....
	F	10	1	.....	2	1	.....	.....	.....	2	2	2	.....	.....
27. Tuberculosis of the bones and joints (vertebral column excepted)	M	2	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....
	F	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
27A. Of the bones	F	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
27B. Of the joints	M	2	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
142	**27874**	**6564**	**956**	**2001**	**135**	**3494**	**3272**	**3966**	**3528**	**3281**	**2860**	**2783**	**2538**	**2696**	**3009**	**2824**	**3279**	
125	14851	3546	489	1312	112	1880	1743	2111	1845	1764	1591	1516	1367	1480	1683	1561	1769	
17	13023	3018	467	689	23	1614	1529	1855	1683	1517	1269	1267	1171	1216	1326	1263	1510	
8	2122	405	63	202	6	229	268	565	424	245	168	158	137	155	156	145	148	
7	1104	255	30	149	6	131	134	297	218	145	98	100	85	81	94	88	73	
1	1018	150	33	53	....	98	134	268	206	100	70	58	52	74	62	57	75	
....	5	3	....	....	....	....	2	....	....	....	1	2	....	1	....	1	1	1
....	8	....	....	....	....	1	....	....	1	1	1	....	1	1	....	1	1	2
....	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	
....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	
....	2	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	5
....	19	....	....	....	....	2	1	2	3	2	3	2	....	....	2	1	1	7
....	24	1	....	....	....	4	3	3	2	2	2	4	1	....	1	1	2	
....	28	2	....	....	....	5	4	6	3	2	2	....	....	1	3	2	2	8
....	22	1	....	....	....	5	6	....	5	....	1	2	....	1	1	1	1	
....	40	....	....	....	....	4	7	7	4	6	5	3	1	1	....	1	1	9
....	35	....	....	....	....	2	5	6	5	....	2	2	4	4	2	2	1	
....	8	....	....	....	....	2	1	....	1	1	1	....	2	....	....	....	....	10
....	5	....	....	....	....	1	....	2	....	....	....	....	....	1	....	....	1	
1	443	104	13	22	2	43	55	197	130	54	14	13	8	5	19	22	24	11
1	487	88	17	14	....	36	64	202	153	53	19	4	7	8	10	19	31	
....	37	7	....	2	1	2	6	19	3	5	1	....	2	1	3	....	5	11A
....	30	6	....	1	....	6	6	15	8	1	....	....	....	....	....	1	....	
....	19	6	2	....	....	1	2	13	6	4	....	1	....	....	....	....	....	11B
....	19	5	1	....	....	2	4	11	4	2	1	....	....	....	....	....	1	
1	210	53	6	10	1	24	29	95	71	21	7	4	....	1	8	9	11	11C
1	219	38	6	8	....	16	30	96	67	22	6	2	3	3	2	8	16	
....	26	9	....	2	....	1	2	17	7	4	....	2	....	1	....	3	....	11D
....	31	3	1	2	....	4	2	11	12	6	....	....	1	....	....	....	1	
....	20	2	....	....	....	2	4	2	3	2	....	....	2	1	2	....	4	11E
....	24	2	....	....	....	2	3	2	4	2	....	....	2	5	3	1	2	
....	131	27	5	8	....	13	12	51	40	18	6	6	4	1	6	10	4	11F
....	164	34	9	3	....	6	19	67	58	20	12	2	1	....	5	9	11	
....	15	1	....	....	....	....	1	1	....	....	....	1	....	9	2	1	1	13
....	10	....	....	1	....	....	1	....	....	....	....	....	1	5	3	1	....	
....	13	2	....	1	....	1	2	3	1	4	1	....	2	1	....	....	1	15
....	6	2	....	1	....	3	....	3	....	1	....	....	....	1	....	....	1	
....	18	....	....	....	....	1	....	1	....	2	1	5	2	4	1	1	....	16
....	5	....	....	....	....	....	1	....	....	....	....	1	....	....	2	....	1	
....	9	1	....	1	....	1	....	3	2	1	1	....	1	....	1	....	1	17
....	3	....	1	....	....	....	....	1	1	....	1	....	....	....	....	1	....	
....	6	2	....	3	....	1	1	....	2	1	2	2	....	1	....	1	....	18
....	7	....	....	....	....	2	1	....	1	2	....	....	....	....	1	....	....	
....	7	1	....	....	....	1	....	....	1	2	....	....	1	2	....	1	....	22
....	3	....	....	....	....	....	....	....	....	1	....	1	....	....	....	1	....	
5	404	105	13	101	2	53	50	63	58	56	56	62	57	45	50	47	28	23–32
	365	50	14	31	....	38	48	51	30	40	42	41	33	43	37	26	31	
5	337	99	12	93	2	47	42	56	50	52	46	53	52	41	41	39	24	23
....	310	44	11	28	....	32	40	43	28	32	34	33	30	37	29	24	31	
....	27	2	....	....	....	3	1	1	4	2	4	5	....	2	4	3	....	24
....	27	....	1	1	....	2	3	5	1	4	5	2	....	4	2	1	....	
....	12	1	1	1	....	....	2	1	2	....	2	2	1	1	2	1	1	25
....	10	2	....	....	....	2	1	....	1	1	....	4	....	2	1	....	....	
....	9	1	....	3	....	1	2	2	1	....	1	....	1	....	2	1	2	26
....	7	1	....	2	....	....	3	2	....	....	2	1	....	....	2	....	....	
....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	27
....	2	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	
....	2	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	27A
....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	27B

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
29. Tuberculosis of the lymphatic system (bronchial, mesenteric and retroperitoneal glands excepted)	M	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	3	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1
30. Tuberculosis of the genito-urinary system	M	14	.....	2	2	.....	.....	.....	.....	5	3	2	.....	.....
	F	5	.....	.....	1	.....	.....	.....	.....	1	2	1	.....	.....
32. Disseminated tuberculosis	M	8	4	.....	.....	.....	.....	1	.....	1	2	.....	.....	.....
	F	6	1	.....	2	.....	.....	.....	.....	2	.....	1	.....	.....
32A. Acute	M	3	1	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....
	F	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
32C. Not specified	M	5	3	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
	F	4	.....	.....	1	.....	.....	.....	.....	2	.....	1	.....	.....
34. Syphilis	M	109	16	4	6	10	4	.....	.....	13	32	13	.....	11
	F	28	3	1	1	.....	.....	.....	.....	4	9	1	.....	9
35. Gonococcus infection and other venereal diseases	M	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
	F	2	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
36. Purulent infection, septicaemia (non-puerperal)	M	22	4	6	1	.....	.....	.....	.....	4	2	2	.....	2
	F	10	1	1	2	.....	.....	.....	.....	.....	2	1	.....	3
38. Malaria	M	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
39. Other diseases due to protozoal parasites	M	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
42. Other diseases caused by helminths	M	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43. Mycoses	M	4	.....	2	.....	.....	.....	.....	.....	.....	1	1	.....	.....
44. Other infectious or parasitic diseases	M	7	5	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
	F	7	6	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
44A. Chicken-pox	M	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44C. Others under this title	M	6	4	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
	F	4	3	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
CLASS II.—CANCER AND OTHER TUMOURS														
Total	...	4,883	42	25	76	223	313	1	8	285	1355	1153	.....	1392
	M	2,279	26	16	32	98	138	1	2	79	642	754	.....	483
	F	2,604	16	9	44	125	175	.....	6	206	713	399	.....	909
45–53. Cancer and other malignant tumours	M	2,171	25	12	29	96	132	1	2	69	620	717	.....	462
	F	2,396	7	8	38	113	165	.....	4	168	653	379	.....	859
45. Cancer of the buccal cavity and pharynx	M	132	.....	1	1	7	16	.....	.....	1	24	46	.....	35
	F	22	.....	.....	.....	1	1	.....	.....	.....	5	7	.....	8
46. Cancer of the digestive tract and peritoneum	M	1,217	2	2	18	62	75	.....	.....	32	369	397	.....	257
	F	1,046	.....	2	12	36	75	.....	1	40	234	224	.....	421
46A. Of the oesophagus	M	68	.....	.....	.....	5	7	.....	.....	2	25	18	.....	11
	F	37	.....	.....	.....	2	2	.....	.....	.....	8	8	.....	17
46B. Of the stomach and duodenum	M	475	.....	.....	5	28	29	.....	.....	14	129	164	.....	104
	F	306	.....	.....	2	5	22	.....	.....	8	65	76	.....	127
46C. Of the rectum	M	153	.....	.....	6	1	9	.....	.....	3	43	57	.....	34
	F	106	.....	.....	2	5	4	.....	.....	6	25	23	.....	41
46D. Of the liver and biliary ducts	M	118	.....	1	1	6	11	.....	.....	1	32	37	.....	29
	F	149	.....	.....	.....	4	9	.....	.....	8	31	32	.....	65
46E. Of the pancreas	M	65	.....	.....	.....	6	5	.....	.....	4	23	14	.....	13
	F	74	.....	.....	.....	4	4	.....	.....	.....	24	12	.....	30
46F. Of the peritoneum	M	16	2	.....	1	1	1	.....	.....	2	4	2	.....	3
	F	5	.....	.....	.....	.....	.....	.....	.....	.....	3	1	.....	1
46G. Of other organs	M	322	.....	1	5	15	13	.....	.....	6	113	105	.....	63
	F	369	.....	2	8	16	34	.....	1	18	78	72	.....	140
47. Cancer of the respiratory organs	M	156	.....	2	1	11	3	.....	.....	10	70	38	.....	20
	F	53	2	.....	.....	6	5	.....	.....	2	9	9	.....	20
47A. Of the larynx	M	25	.....	.....	.....	4	.....	.....	.....	.....	7	11	.....	3
	F	9	1	.....	.....	.....	.....	.....	.....	1	1	3	.....	3

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	29
....	2	1	....	....	....	....	....	....	....	....	....	....	1	....	1	1	....	
....	9	1	....	4	....	2	2	1	1	....	3	....	3	....	....	2	....	30
....	3	....	2	....	....	....	1	....	....	....	....	....	2	....	2	....	....	
....	7	1	....	....	....	....	....	2	....	2	....	2	....	1	....	1	....	32
....	4	2	....	....	....	2	....	....	....	2	1	1	....	....	....	....	....	
....	2	1	....	....	....	....	....	1	....	....	....	1	....	1	....	....	....	32A
....	2	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	
....	5	....	....	....	....	....	....	1	....	2	....	1	....	....	....	1	....	32C
....	2	2	....	....	....	1	....	....	....	1	1	1	....	....	....	....	....	
....	61	24	3	20	1	9	9	11	10	12	9	9	7	4	13	7	9	34
....	17	5	1	5	....	1	3	...	5	....	2	3	2	5	3	2	2	
....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	35
....	1	1	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	
1	15	4	1	1	1	6	....	3	....	1	1	....	2	3	2	1	3	36
....	8	2	....	....	....	3	2	....	....	....	....	....	2	1	....	2	....	
....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	38
....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	39
....	4	....	....	....	....	1	....	....	1	....	....	....	....	1	....	....	1	
....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	42
....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	
....	3	1	....	....	....	....	....	....	1	....	....	1	1	....	1	....	....	43
....	6	1	....	....	....	1	....	....	2	....	1	....	1	1	....	1	....	44
....	6	....	....	1	....	1	....	....	....	....	....	....	....	2	2	....	2	
....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	44A
....	3	....	....	....	....	1	....	....	....	....	....	....	....	1	1	....	....	
....	5	1	....	....	....	1	....	....	2	....	....	....	1	1	....	1	....	44C
....	3	....	....	1	....	....	....	....	....	....	....	....	....	1	1	....	2	
10	3307	1134	140	296	6	456	349	417	418	431	406	384	406	391	405	374	446	
8	1489	551	64	170	5	192	164	189	195	208	180	198	181	200	196	167	209	
2	1818	583	76	126	1	264	185	228	223	223	226	186	225	191	209	207	237	
6	1413	529	60	165	4	186	159	179	182	197	171	191	168	193	183	159	203	45–53
2	1673	539	67	116	1	243	169	209	202	208	206	173	211	175	187	190	223	
1	90	35	4	3	....	13	13	16	10	10	11	10	7	13	8	8	13	45
...	13	8	....	1	....	1	1	1	3	1	4	2	1	1	1	2	4	
3	772	313	32	97	3	109	89	99	113	121	100	111	87	99	104	85	100	46
1	739	234	24	48	1	104	73	95	76	90	87	69	96	86	83	87	100	
....	35	22	3	8	....	4	7	7	6	7	7	....	7	5	8	3	7	46A
....	27	7	1	2	....	3	4	2	3	1	5	7	1	3	4	2	2	
2	294	126	12	41	2	40	35	37	42	41	48	34	43	44	44	32	35	46B
1	194	79	9	24	....	23	23	29	29	31	30	17	29	23	25	26	21	
....	100	46	1	5	1	9	15	12	14	19	8	21	13	10	7	13	12	46C
....	77	25	3	1	....	8	10	10	3	10	6	10	10	6	7	9	17	
....	73	27	5	13	....	11	9	9	14	10	5	18	7	8	12	7	8	46D
....	113	29	1	6	....	17	5	11	11	17	11	7	9	19	11	15	16	
....	40	13	3	9	....	8	1	6	3	6	4	8	3	5	9	3	9	46E
....	51	17	2	4	....	8	5	9	7	3	2	7	7	2	11	6	7	
....	14	2	....	....	....	2	1	....	....	2	2	3	....	2	1	1	2	46F
....	3	2	....	....	....	....	1	....	....	....	....	....	....	2	....	2	....	
1	216	77	8	21	....	35	21	28	34	36	26	27	14	25	23	26	27	46G
....	274	75	8	11	1	45	25	34	23	28	33	21	40	31	25	27	37	
1	68	57	3	28	....	13	8	11	10	13	9	11	15	19	16	9	22	47
....	40	11	1	1	....	4	4	....	7	6	6	5	5	2	5	1	8	
....	12	10	....	3	....	2	1	....	1	2	4	2	3	4	4	1	1	57A
....	6	3	....	....	....	1	....	....	1	1	....	....	2	1	2	....	1	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
47B. Of the lung	M	100	.....	1	1	5	3	.....	.....	10	46	21	.....	12
	F	38	.....	.....	.....	6	4	.....	.....	1	6	6	.....	15
47C. Of the mediastinum	M	7	.....	1	.....	.....	.....	.....	.....	.....	3	1	.....	2
	F	4	.....	.....	.....	.....	1	.....	.....	.....	2	.....	.....	1
47D. Of other organs of the respiratory system	M	24	.....	.....	.....	2	.....	.....	.....	.....	14	5	.....	3
	F	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
48. Cancer of the uterus	F	341	.....	1	4	15	19	.....	.....	51	111	38	.....	102
48A. Of the uterus	F	204	.....	1	2	13	16	.....	.....	22	55	27	.....	68
48B. Of the cervix uteri	F	137	.....	.....	2	2	3	.....	.....	29	56	11	.....	34
49. Cancer of other female genital organs	F	130	.....	1	3	6	7	.....	.....	15	49	11	.....	38
50. Cancer of the breast	M	6	.....	.....	.....	.....	1	.....	.....	1	4	.....	.....	.....
	F	526	.....	.....	11	38	35	.....	.....	45	180	55	.....	162
51. Cancer of the male genito-urinary organs	M	424	7	2	3	13	27	.....	.....	14	84	166	.....	108
51A. Of the bladder	M	105	1	.....	.....	6	5	.....	.....	3	28	35	.....	27
51B. Of the kidney	M	37	5	.....	.....	2	1	.....	.....	3	16	6	.....	4
51C. Of the prostate gland	M	261	.....	.....	1	4	21	.....	.....	1	38	121	.....	75
51D. Of the testicles and annexa	M	18	1	2	2	.....	.....	.....	.....	7	2	2	.....	2
51E. Of other male genito-urinary organs	M	3	.....	.....	.....	1	.....	.....	.....	.....	.....	2	.....	.....
52. Cancer of the skin	M	57	2	.....	.....	.....	3	.....	.....	.....	14	22	.....	15
	F	37	.....	.....	.....	1	6	.....	.....	1	4	7	.....	18
53. Cancer of other or unspecified organs	M	179	14	5	6	3	7	1	2	11	55	48	.....	27
	F	241	5	4	8	10	17	.....	3	14	61	28	.....	90
53A. Of the eye and orbit	M	7	1	.....	.....	.....	.....	.....	.....	.....	1	3	.....	2
	F	8	.....	.....	.....	1	2	.....	.....	1	.....	1	.....	3
53C. Of the glandular system	M	44	3	.....	1	1	2	.....	.....	1	11	18	...	7
	F	30	.....	.....	.....	1	4	.....	.....	.....	6	4	.....	15
53D. Of the female urinary organs	F	89	....	1	1	2	5	.....	.....	6	19	15	.....	40
53E. Of the bones and joints	M	39	2	4	1	.....	1	1	.....	3	10	9	.....	8
	F	21	2	.....	2	1	.....	.....	1	.....	7	3	.....	5
53F. Of the brain	M	36	6	1	4	2	.....	.....	1	3	17	2	.....	.....
	F	38	2	2	4	1	.....	.....	2	5	18	.....	.....	4
53G. Of the spine and spinal cord	M	12	.....	.....	.....	.....	.....	.....	.....	1	6	5	.....	.....
	F	3	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	1
53H. Of the neck	M	8	.....	.....	.....	.....	4	.....	.....	.....	1	3	.....	.....
	F	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
53I. Of the abdomen	M	10	.....	.....	.....	.....	.....	.....	1	2	4	2	.....	1
	F	33	.....	.....	1	2	2	.....	.....	1	6	4	.....	17
53J. Of other specified organs	M	10	1	.....	.....	.....	.....	.....	.....	1	2	3	.....	3
	F	12	1	1	.....	1	3	.....	.....	.....	2	1	.....	2
53K. Multiple cancer	M	11	1	.....	.....	.....	.....	.....	.....	.....	3	2	.....	5
	F	5	.....	.....	.....	1	.....	.....	.....	.....	2	.....	.....	2
53M. Of unspecified or unknown location	M	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
54. Non-malignant tumours	M	92	.....	3	3	2	5	.....	.....	8	19	33	.....	18
	F	189	8	1	6	12	9	.....	2	37	55	19	.....	40
54A. Of the ovary	F	37	1	.....	2	2	2	.....	2	6	9	6	.....	7
54B. Of the uterus	F	46	.....	.....	1	5	3	.....	.....	16	12	3	.....	6
46D. Of the brain	M	20	.....	.....	1	.....	.....	.....	.....	6	7	4	.....	2
	F	21	4	.....	1	2	1	.....	.....	7	4	.....	.....	2
54E. Of the thyroid gland	M	2	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	F	58	.....	.....	1	2	3	.....	.....	4	22	9	.....	17
54F. Of the prostate gland	M	46	.....	.....	.....	.....	5	.....	.....	.....	3	23	.....	14
54G. Of other or unspecified sites	M	24	.....	2	2	1	.....	.....	.....	2	9	6	.....	2
	F	27	3	1	1	1	.....	.....	.....	4	8	1	.....	8
55. Tumours, nature not specified	M	16	1	1	.....	.....	1	.....	.....	2	3	4	.....	3
	F	19	1	.....	.....	.....	1	.....	.....	1	5	1	.....	10
55D. Of the brain	M	7	1	.....	.....	.....	.....	.....	.....	2	3	1	.....	.....
	F	9	1	.....	.....	.....	1	.....	.....	1	4	.....	.....	2
55F. Of the prostate gland	M	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
55G. Of other or unspecified sites	M	8	.....	1	.....	.....	1	.....	.....	.....	.....	2	.....	3
	F	10	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	8

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	44	35	2	19	....	7	6	9	7	7	3	8	10	12	7	7	17	47B
....	29	8	....	1	....	3	4	....	6	3	6	4	3	1	1	1	6	
....	4	3	....	....	....	1	....	1	....	2	....	....	....	1	1	....	1	47C
....	4	....	....	....	....	....	....	....	....	1	....	....	....	....	2	....	1	
....	8	9	1	6	....	3	1	1	2	2	2	1	2	2	4	1	3	47D
....	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....	
....	228	72	15	26	....	38	18	35	30	33	20	25	32	27	28	26	29	48
....	149	37	10	8	....	25	8	24	15	19	13	18	19	15	14	17	17	48A
....	79	35	5	18	....	13	10	11	15	14	7	7	13	12	14	9	12	48B
....	82	38	2	8	....	11	9	6	11	13	14	7	12	12	13	7	15	49
....	6	....	....	....	....	1	....	1	....	....	1	....	1	....	....	1	1	50
....	376	121	14	15	....	56	36	45	48	45	55	41	45	33	34	42	46	
....	322	77	10	15	....	33	31	31	31	33	33	46	40	39	32	34	41	51
....	79	21	2	3	....	9	12	4	5	10	4	9	16	7	8	12	9	51A
....	25	7	....	5	....	5	5	4	2	2	5	3	2	1	2	3	3	51B
....	202	46	6	7	....	19	13	22	23	20	22	30	22	26	20	18	26	51C
....	13	3	2	....	....	....	1	....	1	1	2	3	....	5	2	1	2	51D
....	3	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	1	51E
1	42	8	5	2	....	8	5	4	1	7	4	2	5	5	8	3	5	52
....	22	9	1	5	....	6	7	1	3	1	1	4	1	1	4	4	4	
....	113	39	6	20	1	9	13	17	17	13	13	11	13	18	15	19	21	53
1	173	46	10	12	....	23	21	26	24	19	19	20	19	13	19	21	17	
....	6	1	....	....	....	1	1	....	1	1	....	1	....	....	....	....	2	53A
....	4	3	....	1	....	....	1	2	1	....	....	1	....	....	....	1	2	
....	29	7	1	7	....	2	5	2	3	....	3	3	4	5	5	7	5	53C
....	23	4	3	....	....	3	4	4	4	4	2	....	4	1	1	....	3	
....	65	15	3	6	....	8	6	7	11	5	6	8	6	4	9	14	5	53D
....	23	12	1	3	....	1	3	5	5	6	3	3	2	2	1	4	4	53E
....	13	5	1	2	....	....	3	2	1	1	2	2	....	3	5	....	2	
....	22	9	....	5	....	1	2	4	2	1	4	3	3	4	5	2	5	53F
....	27	7	1	3	....	6	4	4	2	2	3	5	1	2	2	4	3	
....	6	4	1	1	....	1	1	2	2	2	....	....	2	....	1	1	....	53G
....	1	1	1	....	....	....	....	1	....	....	....	1	1	....	....	....	....	
....	6	1	....	....	1	1	....	1	1	....	....	1	....	1	1	2	....	53H
....	2	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	
....	6	2	....	2	....	....	....	....	1	1	1	....	....	2	1	1	3	53I
....	25	7	1	....	....	5	....	4	5	5	4	3	1	2	1	1	2	
....	8	1	1	....	....	2	1	....	....	....	....	....	1	2	1	2	1	53J
1	10	2	....	....	....	1	3	2	....	....	1	....	4	....	....	1	....	
....	5	2	2	2	....	....	....	2	2	2	2	....	1	2	....	....	....	53K
....	3	2	....	....	....	....	....	....	....	2	....	....	2	1	....	....	....	
....	2	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	53M
1	64	20	4	4	....	5	4	10	10	8	8	6	12	5	12	6	6	54
....	133	40	8	8	....	21	15	17	20	14	17	13	13	14	19	14	12	
....	22	10	3	2	....	3	4	5	5	2	2	5	1	3	3	1	3	54A
....	31	11	1	3	....	5	5	4	8	4	5	1	4	1	3	3	3	54B
....	15	3	....	2	....	1	1	2	3	2	....	1	4	1	2	1	2	54D
....	13	5	2	1	....	2	....	2	....	3	2	1	1	5	2	2	1	
...	2	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	54E
....	47	8	1	2	....	6	5	5	6	3	6	3	4	2	8	7	3	
1	32	11	2	1	....	2	3	3	5	5	8	4	4	3	6	1	2	54F
....	15	6	2	1	....	2	....	4	2	1	....	1	3	1	4	4	2	54G
....	20	6	1	....	....	5	1	1	1	2	2	3	3	3	3	1	2	
1	12	2	....	1	1	1	1	....	3	3	1	1	1	2	1	2	....	55
....	12	4	1	2	....	....	1	2	1	1	3	....	1	2	3	3	2	
....	5	1	....	1	....	1	....	....	2	....	1	....	....	1	1	1	....	55D
....	7	1	....	1	....	....	....	1	1	1	1	....	1	....	1	2	1	..
....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	55F
1	6	1	....	....	1	....	1	....	1	3	....	1	....	1	....	1	....	55G
....	5	3	1	1	....	....	1	1	....	....	2	....	....	2	2	1	1	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
CLASS III.—RHEUMATIC DISEASES, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS AND OTHER GENERAL DISEASES														
Total	...	1123	130	48	30	39	35	.....	5	56	247	257	.....	275
	M	413	70	22	14	19	12	.....	1	19	81	122	.....	53
	F	710	60	26	16	20	23	.....	4	37	166	135	.....	222
56. Acute rheumatic fever	M	55	14	11	4	2	.....	.....	.....	8	10	4	.....	2
	F	79	23	13	5	3	.....	.....	1	12	13	3	.....	6
57. Chronic rheumatism, osteo-arthritis	M	17	.....	.....	.....	1	1	.....	.....	1	1	9	.....	4
	F	28	.....	.....	1	1	3	.....	.....	2	4	7	.....	10
58. Gout	M	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
59. Diabetes mellitus	M	244	4	8	8	11	10	.....	.....	5	60	99	.....	39
	F	413	4	7	1	11	16	.....	2	9	102	107	.....	153
60. Scurvy	M	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	2	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
61. Beriberi	M	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
62. Pellagra	M	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	F	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
63. Rickets	M	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
64. Osteomalacia	F	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
66. Diseases of the thyroid and parathyroid glands	M	37	6	.....	.....	4	1	.....	1	5	8	9	.....	3
	F	136	.....	5	4	5	4	.....	1	8	46	18	.....	45
66A. Simple goitre	M	8	.....	.....	.....	.....	1	.....	.....	.....	2	5	.....	.....
	F	22	.....	.....	1	.....	1	.....	.....	1	7	2	.....	10
66B. Exophthalmic goitre	M	21	.....	.....	.....	4	.....	.....	1	5	6	4	.....	1
	F	100	.....	3	3	4	1	.....	1	6	38	16	.....	28
66C. Myxoedema, cretinism	F	6	.....	1	.....	1	.....	.....	.....	1	.....	.....	.....	3
66D. Tetany	M	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
66E. Others under this title	M	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
	F	7	.....	.....	.....	.....	2	.....	.....	.....	1	.....	.....	4
67. Diseases of the thymus gland	M	38	36	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
	F	25	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68. Diseases of the adrenals (Addison's disease)	M	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	7	.....	.....	3	.....	.....	.....	.....	2	1	.....	.....	1
69. Other general diseases	M	11	4	1	1	1	.....	.....	.....	.....	1	1	.....	2
	F	14	3	1	2	.....	.....	.....	.....	3	.....	.....	.....	5
69A. Fatty or amyloid degeneration	M	4	.....	.....	1	1	.....	.....	.....	.....	.....	1	.....	1
	F	7	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....	4
69C. Others under this title	M	7	4	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1
	F	7	3	1	.....	.....	.....	.....	.....	2	.....	.....	.....	1
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS														
Total	...	555	44	27	15	15	49	.....	2	28	96	138	.....	140
	M	265	26	20	8	7	19	.....	.....	14	49	77	.....	45
	F	290	18	7	7	8	30	.....	2	14	47	61	.....	95
70. Haemorrhagic conditions	M	10	1	2	.....	1	.....	.....	.....	.....	3	1	.....	2
	F	4	1	.....	1	.....	.....	.....	.....	.....	1	1	.....	.....
70A. Simple purpura	M	7	1	.....	.....	.....	.....	.....	.....	.....	3	1	.....	2
	F	4	1	.....	1	.....	.....	.....	.....	.....	1	1	.....	.....
70B. Haemophilia	M	3	.....	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
71. Anaemia	M	147	5	.....	.....	3	17	.....	.....	3	21	62	.....	36
	F	208	4	4	2	5	27	.....	2	2	26	51	.....	85
71A. Pernicious anaemia	M	129	1	.....	.....	3	16	.....	.....	3	20	53	.....	33
	F	182	3	3	1	4	25	.....	2	2	23	47	.....	72
71B. Others under this title	M	18	4	.....	.....	.....	1	.....	.....	.....	1	9	.....	3
	F	26	1	1	1	1	2	.....	.....	.....	3	4	.....	13
72. Leukaemia and aleukaemia	M	91	18	14	7	3	2	.....	.....	9	21	12	.....	5
	F	68	13	3	4	3	3	.....	.....	10	17	7	.....	7
72A. Leukaemia	M	63	17	10	5	2	1	.....	.....	5	14	8	.....	1
	F	52	12	3	2	1	3	.....	.....	6	14	6	.....	5
72B. Aleukaemia (Hodgkin's disease)	M	28	1	4	2	1	1	.....	.....	4	7	4	.....	4
	F	16	1	.....	2	2	.....	.....	.....	4	3	1	.....	2

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
1	876	141	38	66	2	110	96	114	94	96	77	83	81	88	97	83	104	
....	333	48	11	20	1	47	39	49	35	31	22	28	35	25	37	30	35	
1	543	93	27	46	1	63	57	65	59	65	55	55	46	63	60	53	69	
....	43	6	3	3	....	6	4	8	1	5	1	6	3	5	7	2	7	56
....	66	8	....	5	....	5	9	7	7	5	6	9	5	8	5	6	7	
....	12	5	....	....	....	2	2	3	2	3	1	....	1	1	....	1	1	57
....	22	5	....	1	....	....	3	4	5	3	....	3	2	3	2	1	2	
....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	58
....	188	36	7	13	....	32	26	27	23	16	15	18	25	13	16	20	13	59
1	293	67	22	30	1	33	38	41	31	37	35	27	21	37	39	32	42	
....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	60
....	1	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	
....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	61
....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	62
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	
....	4	....	....	....	....	....	....	....	....	1	2	....	1	....	....	....	....	63
....	4	....	....	....	....	....	....	....	....	2	....	1	....	....	1	....	....	
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	64
....	34	....	....	2	1	2	3	3	3	2	2	1	2	2	8	3	6	66
....	115	9	3	9	....	20	4	10	9	3	12	12	10	13	8	9	16	
....	7	....	....	1	....	....	1	....	....	1	....	....	....	1	....	1	4	66A
....	17	2	....	3	....	3	1	2	2	1	1	1	1	3	....	1	6	
....	20	....	....	1	....	1	2	3	1	1	1	1	1	....	8	2	....	66B
....	87	6	2	5	....	15	3	6	7	11	9	9	8	9	7	7	9	
....	4	....	1	1	....	1	....	....	....	....	1	1	1	1	1	....	....	66C
....	4	....	....	....	....	....	....	....	....	....	1	....	1	1	....	....	1	66D
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	
....	3	....	....	....	1	1	....	....	2	....	....	....	....	....	....	....	1	66E
....	6	1	....	....	....	1	....	2	....	1	1	1	....	....	....	1	....	
....	38	....	....	....	....	3	3	8	4	2	1	2	1	2	4	3	5	67
....	25	....	....	....	....	5	1	1	3	3	1	1	3	1	4	1	1	
....	1	....	1	....	....	....	....	....	....	....	1	....	1	....	....	....	....	68
....	5	2	....	....	....	....	....	....	2	....	....	1	1	1	....	1	1	
....	9	....	....	2	....	2	1	....	1	....	....	....	2	....	1	1	3	69
....	11	1	1	1	....	....	2	1	2	2	....	1	4	....	1	1	....	
....	2	....	....	2	....	1	....	....	1	....	....	....	1	....	....	1	....	69A
....	6	1	....	....	....	....	2	1	1	1	....	1	1	....	....	....	....	
....	7	....	....	....	....	1	1	....	....	....	....	....	1	....	1	....	3	69C
....	5	....	1	1	....	....	....	....	1	1	....	....	3	....	1	1	....	
1	419	100	14	22	....	42	49	57	53	51	48	49	33	49	34	37	53	
....	203	41	8	13	....	22	21	29	25	17	22	23	20	23	19	21	23	
1	216	59	6	9	....	20	28	28	28	34	26	26	13	26	15	16	30	
....	8	1	....	1	....	....	....	....	2	....	1	1	....	3	1	1	1	70
....	3	1	....	....	....	1	....	....	2	....	1	....	....	....	....	....	....	
....	5	1	....	1	....	....	....	....	2	....	1	1	....	1	....	1	1	70A
....	3	1	....	....	....	1	....	....	2	....	1	....	....	....	....	....	....	
....	3	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	70B
....	121	21	1	4	....	15	15	21	16	10	11	12	5	10	9	11	12	71
....	161	41	3	3	....	13	23	18	23	27	21	21	9	14	9	9	21	
....	106	18	1	4	....	14	14	18	14	7	10	11	4	7	9	11	10	71A
....	142	35	2	3	....	11	22	16	20	23	17	20	9	13	7	7	17	
....	15	3	....	....	....	1	1	3	2	3	1	1	1	3	....	....	2	71B
....	19	6	1	....	....	2	1	2	3	4	4	1	....	1	2	2	4	
....	64	16	6	5	....	7	2	7	5	6	6	9	14	8	8	9	10	72
1	47	13	3	5	....	6	4	8	3	6	4	5	3	8	6	7	8	
....	47	9	5	2	....	3	2	6	4	3	5	9	11	3	5	4	8	72A
....	39	9	2	2	....	5	3	3	3	4	3	5	2	6	6	5	7	
....	17	7	1	3	....	4	....	1	1	3	1	....	3	5	3	5	2	72B
1	8	4	1	3	....	1	1	5	....	2	1	....	1	2	....	2	1	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
73. Diseases of the spleen...	M	9	.....	2	.....	.....	.....	.....	.....	2	2	2	.....	1
	F	6	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	2
74. Other diseases of the blood and blood-forming organs.............	M	8	2	2	1	.....	.....	.....	.....	.....	2	.....	.....	1
	F	4	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	1
CLASS V.—CHRONIC POISONINGS AND INTOXICATIONS														
Total.............	...	56	.....	.....	6	6	5	.....	.....	6	14	5	.....	13
	M	42	.....	.....	5	6	5	.....	.....	3	11	3	.....	8
	F	14	.....	.....	1	.....	.....	.....	.....	3	3	2	.....	5
75. Alcoholism.............	M	36	.....	.....	4	4	5	.....	.....	3	8	3	.....	8
	F	8	.....	.....	1	.....	.....	.....	.....	.....	1	2	.....	4
75A. Delirium tremens......	M	2	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....
	F	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
75B. Other alcoholic intoxications..............	M	34	.....	.....	3	4	5	.....	.....	3	7	3	.....	8
	F	7	.....	.....	1	.....	.....	.....	.....	.....	1	2	.....	3
76. Chronic poisoning, by other organic substances.............	M	4	.....	.....	1	2	.....	.....	.....	.....	1	.....	.....	.....
	F	3	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....
76A. Chronic morphinism...	M	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
	F	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
76D. Other organic poisoning	M	2	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....
	F	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....
77. Chronic poisoning by mineral substances....	M	2	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
	F	3	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1
77A. Lead (including occupational).............	M	2	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
77C. Others under this title..	F	3	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE														
Total..............	...	1743	133	64	86	114	137	.....	2	94	265	356	.....	483
	M	902	78	39	59	69	60	.....	.....	44	151	231	.....	163
	F	841	55	25	27	45	77	.....	2	50	114	125	.....	320
78. Encephalitis (non-epidemic).............	M	22	10	1	1	.....	2	.....	.....	2	5	.....	.....	.....
	F	14	5	2	1	.....	1	.....	.....	3	1	.....	.....	1
79. Simple meningitis.......	M	31	19	3	2	.....	1	.....	.....	2	1	1	.....	2
	F	22	13	1	2	.....	.....	.....	.....	3	3	.....	.....	.....
80. Progressive locomotor ataxia (tabes dorsalis).	M	17	.....	.....	.....	5	1	.....	.....	.....	5	4	.....	2
	F	3	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....
81. Other diseases of the spinal cord..........	M	67	1	6	6	6	7	.....	.....	3	15	13	.....	9
	F	52	1	.....	2	4	4	.....	.....	2	8	10	.....	21
82. Cerebral haemorrhage, cerebral embolism and thrombosis..........	M	393	1	3	10	20	30	.....	.....	13	61	147	.....	104
	F	421	.....	1	2	14	42	.....	.....	14	55	79	.....	214
82A. Cerebral haemorrhage..	M	289	1	2	9	16	17	.....	.....	12	47	100	.....	81
	F	338	.....	1	1	11	33	.....	.....	13	39	69	.....	171
82B. Cerebral embolism and thrombosis..........	M	59	.....	.....	.....	3	7	.....	.....	.....	12	26	.....	11
	F	46	.....	.....	1	1	3	.....	.....	1	10	5	.....	25
82C. Softening of the brain..	M	4	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	2
	F	3	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1
82D. Hemiplegia and other paralysis, cause not specified............	M	41	.....	1	.....	1	6	.....	.....	1	2	20	.....	10
	F	34	.....	.....	.....	2	5	.....	.....	.....	6	4	.....	17
83. General paralysis of the insane..............	M	52	.....	.....	7	2	1	.....	.....	7	21	6	.....	7
	F	16	.....	1	1	1	.....	.....	.....	2	5	2	.....	4

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
....	5	2	1	1	....	....	2	....	....	....	3	1	1	2	....	....	....	73
....	2	3	....	1	....	....	1	1	....	1	....	....	....	3	....	....	....	
....	5	1	....	2	....	....	2	1	2	1	1	....	....	....	1	....	....	74
....	3	1	....	....	....	....	....	1	....	....	....	....	1	1	....	....	1	
1	33	14	1	7	1	6	5	5	3	6	9	3	6	7	1	2	3	
1	24	9	1	7	1	5	4	4	2	3	7	3	4	6	1	1	2	
....	9	5	....	....	....	1	1	1	1	3	2	....	2	1	....	1	1	
1	19	8	1	7	1	5	2	4	1	3	7	3	4	5	....	1	1	75
....	5	3	....	....	....	1	....	....	1	2	2	....	....	....	....	1	1	
....	1	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	75A
....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	
1	18	7	1	7	1	5	2	3	1	3	6	3	4	5	....	1	1	75B
....	5	2	....	....	....	1	....	....	1	2	2	....	....	....	....	1	....	
....	3	1	....	....	....	....	2	....	1	....	....	....	....	....	....	....	1	76
....	2	1	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	
....	2	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	76A
....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	
....	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	76D
....	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	
....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	77
....	2	1	....	....	....	....	....	1	....	....	....	....	1	1	....	....	....	
....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	77A
....	2	1	....	....	....	....	....	1	....	....	....	....	1	1	....	....	....	77C
9	1300	300	36	99	8	160	149	155	163	143	136	153	117	135	142	122	168	
8	672	143	18	64	5	88	83	88	84	63	76	74	57	63	84	63	79	
1	628	157	18	35	3	72	66	67	79	80	60	79	60	72	58	59	89	
1	18	1	....	2	1	4	1	1	2	2	3	3	2	1	2	1	....	78
..	11	....	....	3	....	1	1	....	2	1	....	1	3	3	1	1	....	
....	27	2	....	2	....	2	2	2	2	5	2	5	1	2	2	3	3	79
....	20	1	....	1	....	2	1	1	2	4	2	2	2	1	2	1	2	
....	11	5	....	1	....	....	1	4	2	2	2	1	....	2	1	1	1	80
....	1	2	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	
1	48	14	2	3	....	4	5	7	7	4	12	11	7	1	5	2	2	81
....	44	6	2	....	....	3	2	7	4	3	9	3	1	3	4	4	9	
4	285	75	7	25	1	43	37	33	30	26	32	26	24	32	43	34	33	82
....	308	80	13	20	....	38	38	30	41	43	28	41	26	36	23	28	49	
4	206	57	3	22	1	32	28	25	23	16	25	23	16	27	31	22	21	82A
....	248	67	10	13	....	33	30	22	36	32	25	33	20	27	18	22	40	
....	42	13	2	2	....	6	4	7	6	6	1	2	5	4	7	6	5	82B
....	33	8	1	4	....	4	4	4	5	7	....	5	2	5	3	2	5	
....	4	....	....	....	....	....	1	....	....	....	1	....	....	....	1	....	1	82C
....	2	1	....	....	....	....	2	....	....	....	....	....	....	....	1	....	....	
....	33	5	2	1	....	5	4	1	1	4	5	1	3	1	4	6	6	82D
....	25	4	2	3	....	1	2	4	....	4	3	3	4	4	1	4	4	
1	35	10	2	5	....	7	7	6	6	3	3	2	1	2	5	2	8	83
....	9	6	....	1	....	....	....	3	3	....	1	1	3	1	2	....	2	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
84. Dementia praecox and other psychoses	M	90	.....	4	20	23	9	.....	.....	5	10	11	.....	8
	F	99	1	3	11	14	13	.....	.....	14	19	8	.....	16
84A. Dementia praecox	M	77	.....	3	18	20	9	.....	.....	5	9	8	.....	5
	F	74	.....	3	10	11	11	.....	.....	10	15	5	.....	9
84B. Other psychoses	M	13	.....	1	2	3	.....	.....	.....	.....	1	3	.....	3
	F	25	1	.....	1	3	2	.....	.....	4	4	3	.....	7
85. Epilepsy	M	44	7	11	7	4	2	.....	.....	2	6	3	.....	2
	F	33	4	11	3	6	1	.....	.....	2	2	2	.....	2
86. Convulsions (under 5 years of age)	M	15	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
87. Other diseases of the nervous system	M	124	10	5	5	6	7	.....	.....	4	21	40	.....	25
	F	129	9	2	5	6	15	.....	.....	6	12	21	.....	52
87A. Chorea	M	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	6	2	1	.....	.....	2	.....	.....	.....	.....	.....	.....	1
87B. Neuralgia and neuritis	M	7	.....	.....	.....	.....	1	.....	.....	1	2	1	.....	2
	F	10	1	.....	.....	1	.....	.....	.....	.....	2	3	.....	3
87C. Paralysis agitans	M	47	.....	.....	.....	1	4	.....	.....	.....	6	22	.....	13
	F	52	.....	.....	.....	3	7	.....	.....	1	6	12	.....	23
87D. Sclerosis (other than of the spinal cord)	M	45	.....	.....	2	5	2	.....	.....	2	12	14	.....	8
	F	39	.....	.....	1	1	5	.....	.....	4	1	6	.....	20
87E. Others under this title	M	24	9	5	3	.....	.....	.....	.....	1	1	3	.....	2
	F	22	6	1	4	1	1	.....	.....	1	3	.....	.....	5
88. Diseases of the organs of vision	M	5	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	2
	F	7	.....	.....	.....	.....	1	.....	2	.....	1	2	.....	1
89. Diseases of the ear and mastoid process	M	42	14	5	1	3	.....	.....	.....	6	6	5	.....	2
	F	39	16	4	.....	.....	.....	.....	.....	4	6	.....	.....	9
89A. Otitis	M	24	9	2	1	1	.....	.....	.....	4	3	4	.....	.....
	F	21	8	1	.....	.....	.....	.....	.....	2	3	.....	.....	7
89B. Diseases of the mastoid process	M	17	5	3	.....	2	.....	.....	.....	1	3	1	.....	2
	F	18	8	3	.....	.....	.....	.....	.....	2	3	.....	.....	2
89C. Others under this title	M	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
CLASS VII.–DISEASES OF THE CIRCULATORY SYSTEM														
Total	...	13098	40	46	134	420	1120	.....	6	320	2202	3747	3	5005
	M	7141	15	29	91	292	540	.....	3	190	1446	2574	2	1911
	F	5957	25	17	43	128	580	.....	3	130	756	1173	1	3094
90–95. Diseases of the heart	M	4559	12	26	81	224	305	.....	3	164	1131	1513	2	1064
	F	3146	23	12	38	85	278	.....	3	92	432	645	1	1534
90. Pericarditis	M	8	2	1	1	2	.....	.....	.....	.....	1	1	.....	.....
	F	4	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
91. Acute endocarditis	M	49	2	3	9	1	.....	.....	1	18	9	4	.....	2
	F	41	7	8	6	1	.....	.....	1	8	3	.....	.....	6
91A. Endocarditis, specified as acute	M	39	1	3	6	1	.....	.....	1	12	9	4	.....	2
	F	33	5	6	4	1	.....	.....	1	6	3	.....	.....	6
91B. Endocarditis, unspecified (under 45 years of age)	M	10	1	.....	3	.....	.....	.....	.....	6	.....	.....	.....	.....
	F	8	2	2	2	.....	.....	.....	.....	2	.....	.....	.....	.....
92. Chronic endocarditis, valvular diseases	M	442	3	7	17	20	35	.....	.....	23	88	144	1	100
	F	439	4	3	9	15	46	.....	2	22	58	87	.....	193
92A. Endocarditis specified as chronic and other valvular diseases	M	357	3	7	17	15	25	.....	.....	23	76	111	1	76
	F	371	4	3	9	12	37	.....	2	22	49	74	.....	159
92B. Endocarditis, unspecified (45 years and over)	M	85	.....	.....	.....	5	10	.....	.....	.....	12	33	.....	24
	F	68	.....	.....	.....	3	9	.....	.....	.....	9	13	.....	34
93. Diseases of the myocardium	M	1151	2	8	18	42	118	.....	.....	13	146	415	.....	374
	F	1171	9	1	13	31	113	.....	.....	24	101	233	1	643
93A. Acute myocarditis	M	59	.....	4	1	.....	3	.....	.....	3	9	20	.....	18
	F	41	5	.....	1	5	1	.....	.....	3	7	6	.....	13
93B. Myocarditis, unspecified (under 45 years of age)	M	16	2	4	5	.....	.....	.....	.....	5	.....	.....	.....	.....
	F	18	2	1	5	.....	.....	.....	.....	10	.....	.....	.....	.....

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec	
			USA	Other														
....	61	7	2	18	2	11	7	10	13	4	6	5	10	5	6	5	8	84
....	65	26	2	4	2	8	10	4	9	9	2	12	6	8	11	11	9	
....	53	6	....	17	1	11	7	8	11	4	5	4	8	4	6	4	5	84A
....	48	22	1	2	1	5	10	3	9	7	1	10	4	4	9	7	5	
....	8	1	2	1	1	....	....	2	2	....	1	1	2	1	....	1	3	84B
....	17	4	1	2	1	3	....	1	....	2	1	2	2	4	2	4	4	
....	37	5	....	2	....	....	4	6	5	3	3	7	2	3	5	2	4	85
....	28	2	1	1	1	2	2	2	6	2	3	3	4	3	2	3	1	
	15	....	....	....	....	....	....	3	2	....	3	1	1	....	3	1	1	86
	6	....	....	....	....	....	2	1	....	1	1	....	....	....	....	....	1	
1	100	17	2	4	1	14	15	12	9	8	6	12	7	10	9	9	13	87
1	96	28	....	5	....	13	8	12	4	12	12	13	12	16	9	7	11	
..	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	87A
....	5	1	....	....	....	2	1	....	....	....	....	2	....	....	1	....	....	
....	5	1	1	....	....	1	1	....	....	2	....	1	....	2	....	....	....	87B
....	6	4	....	....	....	2	1	1	....	....	....	1	....	3	1	1	....	
1	36	8	....	2	1	5	7	4	6	2	1	6	4	4	1	3	4	87C
....	41	8	....	3	....	4	1	5	1	6	5	5	6	5	4	4	6	
.	36	7	....	2	....	3	6	4	3	2	4	4	2	4	3	5	5	87D
1	28	9	....	2	....	4	1	4	3	3	5	3	5	5	2	....	4	
....	22	1	1	....	....	4	1	4	....	2	1	1	1	....	5	1	4	87E
....	16	6	....	....	....	1	4	2	....	3	2	2	1	3	1	2	1	
....	4	1	....	....	....	....	1	....	1	1	....	....	....	1	....	1	....	88
....	6	1	....	....	....	1	....	1	1	....	....	....	1	....	1	....	2	
....	31	6	3	2	....	3	3	4	5	5	4	1	2	4	3	2	6	89
....	34	5	....	....	....	4	2	6	7	4	2	3	2	1	3	3	2	
....	19	3	1	1	....	2	....	2	4	4	1	1	1	2	1	2	4	89A
....	19	2	....	....	....	2	2	2	2	4	....	2	2	....	3	1	1	
....	12	2	2	1	....	1	3	2	1	1	3	....	1	2	1	....	2	89B
....	15	3	....	....	....	2	....	4	5	....	2	1	....	1	....	2	1	
....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	89C
55	9397	2614	365	681	41	1271	1134	1359	1203	1166	998	946	803	930	1025	1065	1198	
48	5072	1413	185	439	32	679	614	725	631	608	585	511	448	499	583	583	675	
7	4325	1201	180	242	9	593	520	634	572	558	413	435	355	431	442	482	523	
34	3163	931	122	321	22	427	384	453	394	382	384	345	283	318	387	383	419	90–95
3	2240	654	94	152	6	317	285	363	291	285	202	226	190	233	220	252	282	
....	6	....	....	2	....	1	....	....	1	1	1	1	1	....	1	....	1	90
....	4	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	1	
....	32	10	1	6	....	4	2	4	6	4	2	3	3	7	1	7	6	91
1	34	4	1	2	....	3	4	3	3	3	2	3	4	2	6	....	8	
....	29	6	....	4	....	2	2	3	4	4	2	3	3	6	1	6	3	91A
1	30	1	....	2	....	2	3	2	3	2	2	2	4	2	5	....	6	
....	3	4	1	2	....	2	....	1	2	....	....	....	....	1	....	1	3	91B
....	4	3	1	....	....	1	1	1	....	1	....	1	....	....	1	....	2	
4	347	67	6	21	1	41	44	54	37	32	52	28	25	28	39	28	34	92
....	319	81	15	24	....	45	49	57	25	33	26	35	39	27	28	39	36	
3	274	57	6	19	1	30	37	43	27	27	40	25	20	24	36	24	24	92A
....	267	69	13	22	....	35	41	52	21	27	22	30	35	22	26	27	33	
1	73	10	....	2	....	11	7	11	10	5	12	3	5	4	3	4	10	92B
....	52	12	2	2	....	10	8	5	4	6	4	5	4	5	2	12	3	
15	799	236	27	78	11	116	96	110	105	107	76	83	62	72	109	104	111	93
2	843	245	32	47	4	115	99	128	121	108	85	79	61	91	65	105	114	
1	38	13	2	4	2	7	7	6	4	6	3	3	6	6	6	3	2	93A
....	29	10	1	1	....	5	4	4	3	4	1	1	3	4	2	5	5	
....	12	2	1	1	....	....	2	1	2	1	1	1	2	3	1	1	1	93B
....	14	3	....	....	1	2	2	2	1	2	1	1	....	2	1	2	2	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
93C. Chronic myocarditis and myocardial degeneration	M	691	....	....	12	25	81	....	....	5	89	265	....	207
	F	713	2	....	7	15	74	....	....	11	62	138	....	403
93D. Myocarditis, unspecified (45 years and over)	M	385	....	....	....	17	34	....	....	....	48	130	....	149
	F	399	....	....	....	11	38	....	....	....	32	89	1	227
94. Diseases of the coronary arteries and angina pectoris	M	2716	1	3	33	148	135	....	1	96	861	887	1	536
	F	1330	....	....	9	32	108	....	....	27	246	293	....	615
94A. Diseases of the coronary arteries	M	111	....	....	3	7	6	....	....	3	33	30	....	29
	F	43	....	....	1	1	3	....	....	1	6	9	....	22
94B. Embolism and thrombosis of the coronary arteries	M	2368	1	3	29	126	114	....	1	85	758	775	1	462
	F	1179	....	....	8	31	92	....	....	23	225	266	....	534
94C. Angina pectoris	M	237	....	....	1	15	15	....	....	8	70	82	....	45
	F	108	....	....	....	....	13	....	....	3	15	18	....	59
95. Other diseases of the heart	M	193	2	4	3	11	17	....	1	14	26	62	....	52
	F	161	2	....	1	5	11	....	....	11	24	32	....	75
95A. Functional diseases of the heart	M	34	....	....	1	1	3	....	....	1	5	15	....	8
	F	39	....	....	....	....	5	....	....	2	5	10	....	17
95B. Other and unspecified	M	159	2	4	2	10	14	....	1	13	21	47	....	44
	F	122	2	....	1	5	6	....	....	9	19	22	....	58
96. Aneurysm (except of the heart)	M	43	....	2	2	6	1	....	....	1	17	9	....	5
	F	20	....	1	....	....	....	....	....	3	8	1	....	7
97. Arteriosclerosis (of coronary arteries excepted)	M	2064	....	....	1	38	200	....	....	8	182	901	....	722
	F	2156	....	....	2	29	260	....	....	7	153	416	....	1286
98. Gangrene	M	76	1	....	....	2	8	....	....	....	3	29	....	33
	F	36	....	....	....	1	4	....	....	....	2	8	....	21
99. Other diseases of the arteries	M	25	....	....	....	2	2	....	....	3	6	10	....	2
	F	27	....	2	....	....	3	....	....	1	7	3	....	11
100. Diseases of the veins (varices, haemorrhoids, phlebitis, etc.)	M	33	....	....	2	1	6	....	....	2	7	7	....	8
	F	49	1	....	1	1	3	....	....	5	15	7	....	16
101. Diseases of the lymphatic system (lymphangitis, etc.)	M	2	2	....	....	....	....	....	....	....	....	....	....	....
	F	5	1	1	....	....	1	....	....	2	....	....	....	....
102. Idiopathic abnormalities of blood pressure	M	337	....	1	5	19	18	....	....	12	99	104	....	77
	F	517	....	1	2	12	31	....	....	19	139	93	....	219
103. Other diseases of the circulatory system	M	2	....	....	....	....	....	....	....	....	1	1	....	....
	F	1	....	....	....	....	....	....	....	1	....	....	....	....
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM														
Total	...	2711	522	45	50	88	197	....	6	109	378	489	1	823
	M	1469	310	26	29	59	80	....	....	52	245	336	1	328
	F	1242	212	19	21	29	117	....	6	57	133	153	....	495
104. Diseases of the nasal fossae and annexa	M	17	4	2	2	1	....	....	....	4	3	....	....	1
	F	10	1	3	....	....	....	....	1	2	1	1	....	1
105. Diseases of the larynx	M	8	8	....	....	....	....	....	....	....	....	....	....	....
	F	11	6	....	1	1	....	....	....	....	1	....	....	2
105A. Croup	M	3	3	....	....	....	....	....	....	....	....	....	....	....
	F	3	2	....	....	1	....	....	....	....	....	....	....	....
105B. Other diseases of the larynx	M	5	5	....	....	....	....	....	....	....	....	....	....	....
	F	8	4	....	1	....	....	....	....	....	1	....	....	2
106. Bronchitis	M	45	14	....	....	1	5	....	....	1	5	14	....	5
	F	40	2	....	....	1	6	....	....	3	4	7	....	17
106A. Acute	M	12	10	....	....	....	....	....	....	....	2	....	....	....
	F	11	1	....	....	1	1	....	....	1	....	1	....	6
106B. Chronic	M	22	4	....	....	1	3	....	....	1	3	9	....	1
	F	15	....	....	....	....	1	....	....	1	4	2	....	7
106C. Unspecified	M	11	....	....	....	....	2	....	....	....	....	5	....	4
	F	14	1	....	....	....	4	....	....	1	....	4	....	4

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
7	459	159	17	52	4	58	57	72	70	66	41	54	35	41	72	62	63	93C
1	502	154	23	33	1	68	56	82	76	69	51	54	31	59	37	57	73	
7	290	62	7	21	5	51	30	31	29	34	31	25	19	22	30	38	45	93D
1	298	78	8	13	2	40	37	40	41	33	32	23	27	26	25	41	34	
14	1843	583	86	195	9	245	218	265	221	227	241	213	181	200	233	228	244	94
....	924	289	43	72	2	137	117	153	128	128	81	86	77	105	104	103	111	
....	60	29	8	14	....	11	8	8	8	12	8	6	6	6	12	13	13	94A
....	22	14	1	6	....	8	2	3	....	6	2	4	....	6	6	4	2	
13	1611	507	68	174	8	208	188	236	193	196	217	190	157	173	200	196	214	94B
....	826	250	38	63	2	120	104	136	117	110	68	76	72	96	88	93	99	
1	172	47	10	7	1	26	22	21	20	19	16	17	18	21	21	19	17	94C
....	76	25	4	3	....	9	11	14	11	12	11	6	5	3	10	6	10	
1	136	35	2	19	1	20	24	20	24	11	12	17	11	11	4	16	23	95
....	116	35	3	7	....	17	16	21	12	13	8	23	9	8	17	5	12	
....	25	6	....	3	....	2	3	2	6	2	4	3	1	1	2	2	6	95A
....	27	12	....	....	....	5	5	3	4	3	1	2	4	4	3	1	4	
1	111	29	2	16	1	18	21	18	18	9	8	14	10	10	2	14	17	95B
....	89	23	3	7	....	12	11	18	8	10	7	21	5	4	14	4	8	
....	22	13	1	6	1	3	7	6	3	4	1	4	2	3	5	1	4	96
....	12	5	2	1	....	4	2	2	4	1	2	....	2	....	1	....	2	
12	1545	386	44	81	8	194	187	222	197	175	160	128	127	139	158	170	207	97
3	1608	422	64	59	3	223	178	206	204	210	156	159	122	159	175	180	184	
....	66	6	3	1	....	15	4	9	2	10	6	5	6	4	4	4	7	98
....	30	5	....	1	....	4	2	3	2	8	3	2	3	2	2	2	3	
....	16	5	2	2	....	5	3	2	1	3	4	1	....	1	3	2	....	99
....	21	6	....	....	....	1	3	4	2	2	2	....	4	3	3	2	1	
....	22	9	....	2	....	6	....	1	2	2	3	1	6	4	4	1	3	100
....	30	14	1	4	....	3	3	8	5	8	3	2	2	3	3	3	6	
....	2	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	101
....	4	....	....	1	....	....	1	1	1	....	....	....	....	1	....	1	....	
2	235	63	13	25	1	28	28	31	32	32	27	27	24	30	22	22	34	102
1	379	95	19	24	....	40	46	47	63	44	45	45	32	30	38	42	45	
....	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	1	103
....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	
3	2008	502	60	135	6	328	335	398	275	202	141	115	119	123	191	202	282	
3	1048	290	32	95	4	196	165	210	124	115	76	65	58	75	111	108	166	
....	960	212	28	40	2	132	170	188	151	87	65	50	61	48	80	94	116	
....	10	4	1	2	....	2	....	2	2	....	3	....	1	1	2	1	3	104
....	8	1	1	....	....	1	1	1	....	2	....	1	2	....	....	1	1	
....	7	....	1	....	....	....	....	1	....	2	....	....	....	....	1	2	2	105
....	9	2	....	....	....	4	2	1	2	....	....	1	1	....	....	....	....	
....	3	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	105A
....	3	....	....	....	....	2	....	....	1	....	....	....	....	....	....	....	....	
....	4	....	1	....	....	....	....	1	....	1	....	....	....	....	1	2	....	105B
....	6	2	....	....	....	2	2	1	1	....	....	1	1	....	....	....	....	
....	36	7	....	2	....	2	5	3	5	4	3	2	3	1	5	3	9	106
....	29	9	1	....	1	6	7	5	11	3	1	....	2	1	1	1	2	
....	11	1	....	....	....	1	4	....	2	1	1	....	1	....	1	....	1	106A
....	9	1	....	....	1	3	3	2	2	....	....	....	....	....	....	....	1	
....	18	2	....	2	....	1	....	....	3	2	2	2	2	....	2	2	6	106B
....	9	5	1	....	....	2	1	3	3	2	....	....	2	....	....	1	1	
....	7	4	....	....	....	....	1	3	....	1	....	....	....	1	2	1	2	106C
....	11	3	....	....	....	1	3	....	6	1	1	....	....	1	1	....	....	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
107. Bronchopneumonia.....	M	645	189	7	5	21	33	.....	.....	8	79	145	.....	157
	F	576	123	4	4	5	65	.....	.....	11	40	64	.....	260
107A. Bronchopneumonia....	M	645	189	7	5	21	33	.....	.....	8	79	145	.....	157
	F	575	122	4	4	5	65	.....	.....	11	40	64	.....	260
107B. Capillary bronchitis...	F	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
108. Lobar pneumonia......	M	408	48	12	14	21	28	.....	.....	23	86	93	1	81
	F	320	35	7	11	15	27	.....	4	29	42	47	.....	103
109. Pneumonia, unspecified.	M	114	34	1	3	2	3	.....	.....	1	14	25	.....	30
	F	111	31	2	1	1	10	.....	1	3	10	9	.....	43
110. Pleurisy..............	M	40	7	4	1	1	2	.....	.....	3	11	5	.....	6
	F	23	4	3	.....	.....	.....	.....	.....	2	4	4	.....	6
111. Congestion and haemorrhagic infarct of the lung, etc............	M	37	5	.....	.....	1	2	.....	.....	.....	2	6	.....	21
	F	61	4	.....	1	1	7	.....	.....	3	6	8	.....	31
111A. Pulmonary embolism and thrombosis......	M	3	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2
	F	10	1	.....	.....	.....	.....	.....	.....	2	4	2	.....	1
111B. Others under this title.	M	34	5	.....	.....	1	2	.....	.....	.....	1	6	.....	19
	F	51	3	.....	1	1	7	.....	.....	1	2	6	.....	30
112. Asthma..............	M	118	.....	.....	4	8	7	.....	.....	6	31	42	.....	20
	F	77	1	.....	3	4	2	.....	.....	3	22	13	.....	29
113. Pulmonary emphysema.	M	4	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2
114. Other diseases of the respiratory system (tuberculosis excepted)...	M	33	1	.....	.....	3	.....	.....	.....	6	13	5	.....	5
	F	13	5	.....	.....	1	.....	.....	.....	1	3	.....	.....	3
114A. Chronic interstitial pneumonia including occupational diseases of the respiratory system................	M	16	1	.....	.....	2	.....	.....	.....	1	7	3	.....	2
	F	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
114C. Others under this title.	M	17	.....	.....	.....	1	.....	.....	.....	5	6	2	.....	3
	F	11	5	.....	.....	1	.....	.....	.....	1	3	.....	.....	1
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM														
Total...............	...	2142	438	89	72	99	87	.....	14	177	429	331	1	400
	M	1242	262	62	54	77	46	.....	7	100	266	220	1	144
	F	900	176	27	18	22	41	.....	7	77	163	111	.....	256
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations).....	M	68	15	4	4	4	3	.....	.....	8	11	11	.....	8
	F	81	25	4	2	1	1	.....	1	10	14	6	.....	17
115A. Diseases of the buccal cavity and annexa....	M	26	.....	.....	1	3	1	.....	.....	1	9	8	.....	3
	F	27	2	.....	.....	1	1	.....	1	2	7	2	.....	11
115B. Diseases of the tonsils.	M	24	9	3	2	1	.....	.....	.....	6	.....	1	.....	2
	F	21	8	1	1	.....	.....	.....	.....	4	4	2	.....	1
115C. Others under this title.	M	18	6	1	1	.....	2	.....	.....	1	2	2	.....	3
	F	33	15	3	1	.....	.....	.....	.....	4	3	2	.....	5
116. Diseases of the oesophagus..............	M	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2
	F	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
117. Ulcer of the stomach or duodenum...........	M	246	1	1	15	25	10	.....	1	29	92	38	.....	33
	F	63	.....	.....	2	.....	4	.....	.....	3	23	8	.....	23
117A. Ulcer of the stomach..	M	109	1	.....	5	11	5	.....	1	12	41	19	.....	13
	F	37	.....	.....	.....	.....	2	.....	.....	2	11	5	.....	17
117B. Ulcer of the duodenum.	M	137	.....	1	10	14	5	.....	.....	17	51	19	.....	20
	F	26	.....	.....	2	.....	2	.....	.....	1	12	3	.....	6
118. Other diseases of the stomach.............	M	29	6	1	1	3	2	.....	.....	1	2	7	.....	5
	F	17	9	.....	.....	.....	1	.....	.....	2	1	1	.....	3
119. Diarrhoea and enteritis (under 2 years of age).	M	165	165	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	88	88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
120. Diarrhoea and enteritis (2 years and over)....	M	71	15	5	3	3	3	.....	.....	5	10	17	.....	10
	F	66	9	5	2	.....	4	.....	2	5	8	7	.....	24
120A. Diarrhoea and enteritis	M	44	13	3	1	.....	2	.....	.....	1	3	12	.....	9
	F	44	9	1	.....	.....	3	.....	1	3	3	5	.....	19

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY		Foreign			MONTHS												
	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	475	125	10	35	....	84	79	80	56	51	37	34	31	39	45	46	63	107
....	441	104	11	20	....	59	81	76	63	44	36	14	30	21	45	45	62	
1	475	125	10	35	....	84	79	80	56	51	37	34	31	39	45	46	63	107A
....	440	104	11	20	....	59	81	76	63	43	36	14	30	21	45	45	62	
....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	107B
1	286	86	13	22	1	58	48	68	41	39	19	16	9	7	32	25	46	108
....	247	54	8	10	1	34	44	68	41	13	11	18	10	8	18	26	29	
1	84	21	1	7	1	21	12	20	5	4	5	3	4	8	6	7	19	109
....	95	10	1	5	....	12	16	19	15	12	3	4	2	8	4	10	6	
....	28	7	....	5	....	6	5	4	2	4	1	....	3	4	1	5	5	110
....	16	5	2	....	....	3	3	2	4	2	2	....	4	....	....	2	1	
....	27	9	....	....	1	1	1	10	2	2	2	....	....	5	4	5	5	111
....	44	14	1	2	....	6	7	6	6	4	5	6	6	5	2	3	5	
....	2	....	....	....	1	....	....	....	....	....	....	....	....	....	2	....	1	111A
....	7	1	....	2	....	1	2	....	1	1	1	1	1	....	1	....	1	
....	25	9	....	....	....	1	1	10	2	2	2	....	....	5	2	5	4	111B
....	37	13	1	....	....	5	5	6	5	3	4	5	5	5	1	3	4	
....	74	22	6	16	....	16	12	16	9	8	5	7	4	9	11	9	12	112
....	59	12	3	3	....	5	6	8	6	7	7	6	3	5	9	5	10	
....	2	1	....	1	....	2	....	1	....	....	....	....	....	....	....	1	....	113
....	19	8	....	5	1	4	3	5	2	1	1	3	3	1	4	4	2	114
....	12	1	....	....	....	2	3	2	3	....	....	....	1	....	1	1	....	
....	7	5	....	3	1	2	3	3	....	....	1	1	1	1	1	3	....	114A
....	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	
....	12	3	....	2	....	2	....	2	2	1	....	2	2	....	3	1	2	114C
....	10	1	....	....	....	2	3	2	3	....	....	....	....	....	1	....	....	
5	1607	346	56	126	7	159	197	173	185	180	167	177	201	188	184	162	169	
3	921	195	35	85	6	97	114	100	117	110	93	98	115	105	106	90	97	
2	686	151	21	41	1	62	83	73	68	70	74	79	86	83	78	72	72	
....	55	9	2	2	....	4	11	9	6	6	5	5	5	3	3	5	6	115
....	65	14	1	1	....	7	8	4	8	4	6	15	10	....	4	9	6	
....	19	6	1	....	....	1	9	2	2	2	....	2	2	1	2	1	2	115A
....	20	6	....	1	....	2	5	2	1	....	4	5	3	....	1	3	1	
....	20	2	....	2	....	3	....	2	2	2	4	2	3	2	1	2	1	115B
....	17	4	....	....	....	1	2	1	....	3	....	5	1	....	2	3	3	
....	16	1	1	....	....	....	2	5	2	2	1	1	....	....	....	2	3	115C
....	28	4	1	....	....	4	1	1	7	1	2	5	6	....	1	3	2	
....	2	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	116
....	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	
1	159	60	4	22	1	20	24	16	23	21	19	18	20	23	16	23	23	117
....	44	19	....	....	....	5	10	3	5	7	4	3	4	5	3	5	9	
1	73	24	1	10	1	7	8	9	9	10	6	7	8	11	7	14	13	117A
....	26	11	....	....	....	2	5	1	4	4	3	2	3	3	1	4	5	
....	86	36	3	12	....	13	16	7	14	11	13	11	12	12	9	9	10	117B
....	18	8	....	....	....	3	5	2	1	3	1	1	1	2	2	1	4	
1	22	3	2	1	1	2	2	1	2	3	6	3	2	1	4	1	2	118
....	13	3	....	1	....	....	....	1	2	2	....	1	3	3	2	2	1	
....	165	....	....	....	....	10	9	4	15	8	9	15	22	32	22	13	6	119
....	88	....	....	....	....	4	4	4	7	4	8	4	11	19	15	2	6	
....	50	13	2	6	....	4	8	9	3	7	4	6	7	5	5	7	6	120
....	52	10	3	1	....	2	7	4	2	3	2	10	7	11	11	4	3	
....	35	4	2	3	....	2	4	5	1	5	2	2	3	5	4	6	5	120A
....	37	6	1	....	....	1	3	4	2	3	2	7	4	7	8	2	1	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
				Single					Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
120B. Ulceration of the intestines	M	27	2	2	2	3	1	.....	.....	4	7	5	.....	1
	F	22	.....	4	2	.....	1	.....	1	2	5	2	.....	5
121. Appendicitis	M	201	39	38	20	8	1	.....	5	30	40	14	1	5
	F	117	35	15	5	3	3	.....	2	11	20	5	.....	17
122. Hernia, intestinal obstruction	M	205	13	5	2	11	18	.....	.....	12	33	64	.....	47
	F	151	6	2	3	5	11	.....	1	18	29	25	.....	51
122A. Hernia	M	108	3	.....	.....	4	10	.....	.....	6	16	35	.....	34
	F	70	.....	.....	1	2	6	.....	.....	8	15	14	.....	24
122B. Intestinal obstruction	M	97	10	5	2	7	8	.....	.....	6	17	29	.....	13
	F	81	6	2	2	3	5	.....	1	10	14	11	.....	27
123. Other diseases of the intestines	M	33	1	1	2	3	.....	.....	.....	4	13	7	.....	2
	F	20	2	.....	2	.....	2	.....	.....	1	3	2	.....	8
124. Cirrhosis of the liver	M	95	.....	2	1	9	5	.....	.....	4	30	24	.....	19
	F	61	.....	1	1	.....	4	.....	.....	4	16	15	.....	20
124A. Specified as alcoholic	M	8	.....	.....	.....	2	.....	.....	.....	1	1	2	.....	2
	F	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
124B. Not specified as alcoholic	M	87	.....	2	1	7	5	.....	.....	3	29	22	.....	17
	F	60	.....	1	1	.....	4	.....	.....	3	16	15	.....	20
125. Other diseases of the liver	M	28	3	1	1	2	1	.....	1	2	7	8	.....	2
	F	17	.....	.....	.....	1	1	.....	.....	3	2	4	.....	6
125A. Yellow atrophy of the liver	M	6	1	1	1	.....	.....	.....	.....	.....	3	.....	.....	.....
	F	7	.....	.....	.....	1	.....	.....	.....	2	2	.....	.....	2
125B. Others under this title	M	22	2	.....	.....	2	1	.....	1	2	4	8	.....	2
	F	10	.....	.....	.....	.....	1	.....	.....	1	.....	4	.....	4
126. Biliary calculi	M	33	.....	.....	2	2	1	.....	.....	2	11	9	.....	6
	F	95	.....	.....	.....	8	2	.....	1	11	23	16	.....	34
127. Other diseases of the gall-bladder and biliary passages	M	46	1	.....	.....	5	2	.....	.....	1	13	18	.....	6
	F	102	.....	.....	.....	3	8	.....	.....	6	20	22	.....	43
128. Diseases of the pancreas	M	11	.....	1	1	2	.....	.....	.....	1	3	2	.....	1
	F	12	.....	.....	.....	1	.....	.....	.....	1	3	.....	.....	6
129. Peritonitis, cause not specified	M	9	2	3	1	.....	.....	.....	.....	1	1	1	.....	.....
	F	8	2	.....	1	.....	.....	.....	.....	2	1	.....	.....	2
CLASS X.—DISEASES OF THE GENITO-URINARY SYSTEM														
Total	...	2778	36	34	43	102	214	.....	6	128	435	811	1	973
	M	1690	21	16	26	67	126	.....	3	50	247	651	1	477
	F	1098	15	18	17	35	88	.....	3	78	188	160	.....	496
130. Acute nephritis (including unspecified, under 10 years of age)	M	31	8	4	2	2	1	.....	.....	3	6	1	.....	4
	F	37	7	3	.....	2	2	.....	1	6	9	2	.....	5
131. Chronic nephritis	M	686	6	5	14	36	54	.....	2	26	127	241	1	170
	F	679	6	9	7	22	63	.....	.....	36	114	102	.....	320
132. Nephritis, unspecified (10 years and over)	M	256	.....	2	4	13	19	.....	1	10	49	106	.....	52
	F	200	.....	2	2	6	19	.....	.....	8	29	36	.....	98
133. Other diseases of the kidneys and ureters	M	82	4	3	2	3	7	.....	.....	6	20	27	.....	10
	F	59	2	1	2	1	1	.....	1	5	15	8	.....	23
134. Calculi of the urinary passages	M	45	.....	1	2	1	2	.....	.....	1	16	15	.....	7
	F	18	.....	.....	.....	1	.....	.....	.....	2	5	.....	.....	10
135. Diseases of the bladder (tumours excepted)	M	54	.....	.....	.....	3	6	.....	.....	1	4	21	.....	19
	F	44	.....	.....	.....	1	2	.....	.....	1	5	7	.....	28
136. Diseases of the urethra, urinary abscess, etc.	M	25	.....	1	2	1	1	.....	.....	2	5	6	.....	6
	F	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
136A. Stricture of the urethra	M	18	.....	1	2	1	1	.....	.....	.....	4	4	.....	4
136B. Others under this title	M	7	.....	.....	.....	.....	.....	.....	.....	2	1	2	.....	2
	F	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
137. Diseases of the prostate	M	500	.....	.....	.....	8	36	.....	.....	1	19	230	.....	206
138. Diseases of the male genital organs (not specified as venereal)	M	11	3	.....	.....	.....	.....	.....	.....	.....	1	4	.....	3

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
....	15	9	.....	3	....	2	4	4	2	2	2	4	4	.....	1	1	1	120B
....	15	4	2	1	....	1	4	.....	.....	.....	.....	3	3	4	3	2	2	
....	152	23	7	18	1	15	12	26	20	23	12	15	21	17	16	8	16	121
1	88	19	3	7	....	4	5	9	9	6	11	16	14	11	12	7	13	
....	144	41	8	12	....	22	17	11	19	25	15	9	22	10	21	17	17	122
....	101	32	4	14	....	11	19	15	8	17	14	8	14	9	6	13	17	
....	74	25	1	8	....	15	7	4	9	14	9	5	7	7	11	10	10	122A
....	43	18	2	7	....	5	11	8	4	7	5	4	3	4	3	6	10	
....	70	16	7	4	....	7	10	7	10	11	6	4	15	3	10	7	7	122B
....	58	14	2	7	....	6	8	7	4	10	9	4	11	5	3	7	7	
....	21	5	3	4	....	3	6	3	4	3	.....	3	3	1	.....	2	5	123
....	16	4	.....	.....	....	1	1	3	.....	1	4	2	2	1	3	1	1	
1	61	18	4	9	3	6	9	7	12	9	8	11	4	7	10	7	5	124
....	45	9	1	5	1	9	4	8	4	3	5	.....	8	6	8	4	2	
....	6	1	.....	1	....	1	2	.....	.....	1	.....	.....	1	2	.....	1	.....	124A
....	.....	.....	1	.....	....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
1	55	17	4	8	3	5	7	7	12	8	8	11	3	5	10	6	5	124B
....	45	9	.....	5	1	8	4	8	4	3	5	.....	8	6	8	4	2	
....	15	4	3	6	....	1	3	3	4	1	.....	3	1	3	2	2	5	125
....	13	3	1	.....	....	.....	1	.....	3	1	4	2	.....	1	.....	3	2	
....	3	1	1	1	....	1	.....	1	.....	.....	.....	1	.....	2	.....	.....	1	125A
....	7	.....	.....	.....	....	.....	.....	.....	2	.....	2	.....	.....	1	.....	2	.....	
....	12	3	2	5	....	.....	3	2	4	1	.....	2	1	1	2	2	4	125B
....	6	3	1	.....	....	.....	1	.....	1	1	2	2	.....	.....	.....	1	2	
....	25	7	.....	1	....	3	5	3	2	3	3	5	.....	1	5	2	1	126
....	72	15	2	6	....	8	10	10	6	9	9	8	7	8	6	9	5	
....	36	8	.....	2	....	5	5	5	5	1	8	3	5	1	2	3	3	127
....	76	16	5	5	....	8	12	8	10	11	7	9	6	8	7	10	6	
....	8	3	.....	.....	....	1	1	3	.....	.....	2	1	1	1	.....	.....	1	128
1	6	5	1	.....	....	1	1	3	2	.....	.....	1	.....	1	.....	2	1	
....	6	1	.....	2	....	1	1	.....	2	.....	2	.....	2	.....	.....	.....	1	129
....	5	2	.....	1	....	2	1	1	2	1	.....	.....	.....	.....	1	.....	.....	
5	2097	481	75	125	10	261	265	281	252	254	261	182	171	195	243	178	245	
5	1255	301	40	85	9	166	160	175	156	148	160	109	104	119	141	115	137	
....	842	180	35	40	1	95	105	106	96	106	101	73	67	76	102	63	108	
....	27	4	.....	.....	....	2	4	1	6	3	6	1	1	1	.....	3	3	130
....	31	6	.....	.....	....	4	5	3	5	3	2	3	2	1	5	2	2	
4	532	100	16	33	5	72	59	74	57	65	61	47	44	50	51	45	61	131
....	527	109	21	21	1	57	54	70	63	68	60	51	39	52	64	38	63	
....	190	46	5	15	....	24	28	28	26	20	18	18	16	20	29	15	14	132
....	154	27	9	10	....	16	25	16	16	18	25	10	11	13	17	13	20	
....	57	16	2	6	1	5	9	7	5	7	10	7	4	5	7	7	9	133
....	43	14	1	1	....	4	5	8	7	6	3	2	4	3	6	2	9	
....	32	8	.....	5	....	3	4	5	3	4	4	4	3	3	5	5	2	134
....	11	6	.....	1	....	3	.....	3	.....	3	1	.....	3	2	1	2	.....	
....	41	9	2	1	1	3	11	4	5	6	6	3	2	3	5	2	4	135
....	31	7	3	3	....	2	7	3	2	2	4	3	3	4	7	2	5	
1	14	7	1	2	1	3	4	3	3	1	3	.....	3	.....	1	3	1	136
....	.....	2	.....	.....	....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	
1	10	5	1	1	1	3	3	2	3	.....	3	.....	2	.....	.....	2	.....	136A
....	4	2	.....	1	....	.....	1	1	.....	1	.....	.....	1	.....	1	1	1	136B
....	.....	2	.....	.....	....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	
....	354	109	13	23	1	53	39	52	49	41	51	28	30	36	43	35	43	137
....	8	2	1	.....	....	1	2	1	2	1	1	1	1	1	.....	.....	.....	138

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
139. Diseases of the female genital organs (not specified as venereal)..	F	59	.....	3	6	2	1	.....	1	20	11	4	.....	11
139A. Of the ovary, Fallopian tube and parametrium	F	24	.....	2	2	.....	1	.....	1	11	3	1	.....	3
139B. Of the uterus.........	F	30	.....	1	2	1	.....	.....	.....	8	8	3	.....	7
139C. Of the breast.........	F	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
139D. Others under this title.	F	3	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH, AND THE PUERPERAL STATE														
Total...............	..	276	.....	18	8	.....	.....	.....	52	190	3	.....	.....	5
140. Abortion with septic conditions...........	F	42	.....	6	5	.....	.....	.....	5	23	.....	.....	.....	3
140A. Abortion............	F	24	.....	3	3	.....	.....	.....	5	12	.....	.....	.....	1
140B. Self-induced abortion..	F	18	.....	3	2	.....	.....	.....	.....	11	.....	.....	.....	2
141. Abortion without mention of septic conditions (Haemorrhage included)	F	10	.....	1	.....	.....	.....	.....	2	7	.....	.....	.....	.....
141A. Abortion............	F	6	.....	1	.....	.....	.....	.....	1	4	.....	.....	.....	.....
141B. Self-induced abortion.	F	4	.....	.....	.....	.....	.....	.....	1	3	.....	.....	.....	.....
142. Ectopic gestation......	F	11	.....	.....	1	.....	.....	.....	.....	10	.....	.....	.....	.....
142A. With septic conditions.	F	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
142B. Without mention of septic conditions.....	F	10	.....	.....	1	.....	.....	.....	.....	9	.....	.....	.....	.....
143. Other accidents of pregnancy (haemorrhage excluded)...........	F	4	.....	.....	.....	.....	.....	.....	2	2	.....	.....	.....	.....
144. Puerperal haemorrhage.	F	38	.....	1	.....	.....	.....	.....	4	30	2	.....	.....	1
144A. Placenta praevia......	F	11	.....	.....	.....	.....	.....	.....	1	9	1	.....	.....	.....
144B. Other haemorrhages...	F	27	.....	1	.....	.....	.....	.....	3	21	1	.....	.....	1
145. Puerperal septicaemia (not specified as due to abortion)............	F	50	.....	1	.....	.....	.....	.....	16	32	.....	.....	.....	1
145A. Puerperal septicaemia and pyaemia.........	F	50	1	.....	.....	.....	.....	.....	16	32	.....	.....	.....	1
146. Puerperal albuminuria and eclampsia........	F	42	.....	4	.....	.....	.....	.....	8	30	.....	.....	.....	.....
147. Other toxaemias of pregnancy...............	F	13	.....	1	1	.....	.....	.....	3	8	.....	.....	.....	.....
148. Puerperal phlegmas alba dolens, embolism or sudden death (not specified as septic)....	F	44	.....	4	1	.....	.....	.....	7	32	.....	.....	.....	.....
148A. Phlegmasia alba dolens thrombosis..........	F	8	.....	.....	.....	.....	.....	.....	3	5	.....	.....	.....	.....
148B. Embolism............	F	25	.....	3	.....	.....	.....	.....	3	19	.....	.....	.....	.....
148C. Sudden death.........	F	11	.....	1	1	.....	.....	.....	1	8	.....	.....	.....	.....
149. Other accidents of childbirth................	F	21	.....	.....	.....	.....	.....	.....	4	16	1	.....	.....	.....
149A. Caesarean operation...	F	10	.....	.....	.....	.....	.....	.....	2	8	.....	.....	.....	.....
149C. Dystocia.............	F	5	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....
149D. Rupture of uterus in parturition...........	F	3	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....
149E. Others under this title.	F	3	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....
150. Other or unspecfied condition of the puerperal state...........	F	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
150B. Others under this title.	F	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE														
Total..............	...	75	17	1	2	2	2	.....	2	6	16	9	.....	18
	M	47	10	1	2	1	2	.....	2	5	9	6	.....	9
	F	28	7	.....	.....	1	.....	.....	.....	1	7	3	.....	9
151. Carbuncle.............	M	13	2	.....	.....	1	.....	.....	1	1	3	1	.....	4
	F	6	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2
152 Cellulitis, acute abscess...	M	26	6	1	1	.....	1	.....	1	4	4	4	.....	4
	F	9	2	.....	.....	.....	.....	.....	.....	1	3	1	.....	2

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
....	45	9	1	4	....	9	8	3	2	6	6	4	5	1	2	4	9	139
....	20	2	.....	2	....	3	3	1	1	4	4	.....	2	1	1	1	3	139A
....	20	7	1	2	....	6	4	2	1	2	1	2	3	.....	1	2	6	139B
....	2	.....	.....	.....	....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	139C
....	3	.....	.....	.....	....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....	139D
....	213	39	7	17	....	21	30	17	28	21	32	22	26	15	26	18	20	
....	28	5	1	8	....	5	5	1	1	3	5	4	4	3	4	5	2	140
....	18	3	.....	3	....	2	4	1	1	3	2	1	4	1	2	1	2	140A
....	10	2	1	5	....	3	1	.....	.....	.....	3	3	.....	2	2	4	.....	140B
....	5	4	.....	1	....	1	1	1	1	1	2	.....	1	.....	.....	2	.....	141
....	4	1	.....	1	....	.....	.....	.....	1	1	1	.....	1	.....	.....	2	.....	141A
....	1	3	.....	.....	....	1	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	141B
....	7	2	.....	2	....	.....	1	1	1	.....	2	2	1	.....	2	1	.....	142
....	1	.....	.....	.....	....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	142A
....	6	2	.....	2	....	.....	1	1	.....	.....	2	2	1	.....	2	1	.....	142B
....	3	1	.....	.....	....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	1	143
....	31	4	1	2	....	5	3	2	5	2	3	2	3	6	4	1	2	144
....	11	.....	.....	.....	....	3	1	.....	.....	.....	.....	1	1	1	2	.....	2	144A
....	20	4	1	2	....	2	2	2	5	2	3	1	2	5	2	1	....	144B
....	39	8	1	2	....	2	7	3	6	3	4	3	9	1	4	2	6	145
....	39	8	1	2	....	2	7	3	6	3	4	3	9	1	4	2	6	145A
....	35	4	2	1	....	2	6	2	4	8	6	3	6	.....	2	.....	3	146
....	12	1	.....	.....	....	1	1	1	5	.....	1	.....	.....	.....	2	1	1	147
....	33	9	1	1	....	3	4	4	3	2	5	5	1	4	7	3	3	148
....	5	2	1	.....	....	1	4	1	.....	.....	.....	.....	.....	.....	.....	2	.....	148A
....	20	4	.....	1	....	2	.....	2	3	2	3	4	.....	3	5	.....	1	148B
....	8	3	.....	.....	....	.....	.....	1	.....	.....	2	1	1	1	2	1	2	148C
....	19	1	1	.....	....	2	2	2	2	1	4	3	.....	1	1	2	1	149
....	10	.....	.....	.....	....	1	.....	2	1	1	.....	1	.....	1	.....	2	1	149A
....	3	1	1	.....	....	1	.....	.....	.....	.....	1	2	.....	.....	1	.....	.....	149C
....	3	.....	.....	.....	....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	149D
....	3	.....	.....	.....	....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	149E
....	1	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	150
....	1	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	150B
....	58	10	1	6	....	7	6	9	8	5	7	7	3	3	5	10	5	
....	36	6	1	4	....	3	4	7	6	3	5	3	2	1	4	8	1	
....	22	4	.....	2	....	4	2	2	2	2	2	4	1	2	1	2	4	
....	9	3	.....	1	....	.....	2	1	2	.....	1	1	.....	1	2	3	.....	151
....	5	.....	.....	1	....	.....	1	.....	.....	.....	1	.....	1	.....	.....	1	2	
....	22	1	1	2	....	2	1	5	3	2	3	2	1	.....	2	4	1	152
....	7	2	.....	.....	....	1	.....	2	1	.....	.....	1	.....	2	1	.....	1	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
153. Other diseases of the skin and annexa and of the cellular tissue........	M	8	2	....	1	....	1	....	....	....	2	1	....	1
	F	13	3	....	....	1	....	....	....	....	3	1	....	5
Class XIII.—Diseases of the Bones and Organs of Locomotion														
Total..............	M	98	17	5	3	4	5	....	....	9	13	16	....	26
	M	56	11	5	2	2	1	....	....	6	11	10	....	8
	F	42	6	....	1	2	4	....	....	3	2	6	....	18
154. Osteomyelitis..........	M	23	7	4	1	....	1	....	....	2	4	3	....	1
	F	10	3	....	1	1	2	....	....	1	....	1	....	1
155. Other diseases of the bones (tuberculosis excepted)............	M	15	....	....	....	1	....	....	....	3	1	4	....	6
	F	21	1	....	....	1	1	....	....	....	1	5	....	12
156. Diseases of the joints and other organs of locomotion................	M	18	4	1	1	1	....	....	....	1	6	3	....	1
	F	11	2	....	....	....	1	....	....	2	1	....	....	5
156A. Of the joints (tuberculosis and rheumatism excepted)...........	M	9	1	....	1	1	....	....	....	1	2	2	....	1
	F	7	2	....	....	....	1	....	....	2	....	....	....	2
156B. Of other organs of locomotion.............	M	9	3	1	....	....	....	....	....	....	4	1	....	....
	F	4	....	....	....	....	....	....	....	....	1	....	....	3
Class XIV.—Congenital Malformations														
Total..............	..	505	474	16	5	3	1	....	....	3	2	1	....	....
	M	271	253	10	2	1	1	....	....	2	1	1	....	....
	F	234	221	6	3	2	....	....	....	1	1	....	....	....
157. Congenital malformations (stillbirths excluded).............	M	271	253	10	2	1	1	....	....	2	1	1	....	....
	F	234	221	6	3	2	....	....	....	1	1	....	....	....
157A. Congenital hydrocephalus..............	M	40	35	3	1	....	1	....	....	....	....	....	....	....
	F	27	25	1	1	....	....	....	....	....	....	....	....	....
157B. Spina bifida and meningocele...............	M	52	51	1	....	....	....	....	....	....	....	....	....	....
	F	80	78	....	1	1	....	....	....	....	....	....	....	....
157C. Congenital malformations of the heart.....	M	107	102	4	....	....	....	....	....	....	1	....	....	....
	F	80	76	4	....	....	....	....	....	....	....	....	....	....
157D. Monstrosities........	M	3	3	....	....	....	....	....	....	....	....	....	....	....
	F	4	4	....	....	....	....	....	....	....	....	....	....	....
157E. Others under this title.	M	69	62	2	1	1	....	....	....	2	....	1	....	....
	F	43	38	1	1	1	....	....	....	1	1	....	....	....
Class XV.—Diseases of Early Infancy														
Total..............	M	1504	1504	....	....	....	....	....	....	....	....	....	....	....
	M	882	882	....	....	....	....	....	....	....	....	....	....	....
	F	622	622	....	....	....	....	....	....	....	....	....	....	....
158. Congenital debility.....	M	52	52	....	....	....	....	....	....	....	....	....	....	....
	F	38	38	....	....	....	....	....	....	....	....	....	....	....
159. Premature birth.......	M	540	540	....	....	....	....	....	....	....	....	....	....	....
	F	399	399	....	....	....	....	....	....	....	....	....	....	....
160. Injury at birth........	M	161	161	....	....	....	....	....	....	....	....	....	....	....
	F	100	100	....	....	....	....	....	....	....	....	....	....	....
160A. With mention of caesarean operation......	M	1	1	....	....	....	....	....	....	....	....	....	....	....
	F	2	2	....	....	....	....	....	....	....	....	....	....	....

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
....	5	2	....	1	....	1	1	1	1	1	1	....	1	....	....	1	....	153
....	10	2	....	1	....	3	1	....	1	2	1	3	....	....	....	1	1	
....	72	18	3	5	....	11	6	9	9	7	4	10	13	3	6	9	11	
....	41	9	1	5	....	4	4	5	6	5	3	4	6	2	3	7	7	
....	31	9	2	....	....	7	2	4	3	2	1	6	7	1	3	2	4	
....	21	1	....	1	....	2	1	3	2	4	1	1	3	1	1	2	2	154
....	7	3	....	....	....	4	1	2	1	....	....	1	....	....	....	....	1	
....	6	6	1	2	....	1	1	1	2	1	....	2	1	1	....	2	3	155
....	16	4	1	....	....	2	1	1	1	1	1	2	6	1	3	....	2	
....	14	2	....	2	....	1	2	1	2	....	2	1	2	....	2	3	2	156
....	8	2	1	....	....	1	....	1	1	1	....	3	1	....	....	2	1	
....	8	....	....	1	....	....	1	....	1	....	....	1	2	....	1	1	2	156A
....	6	....	1	....	....	1	....	....	1	1	....	1	1	....	....	1	1	
....	6	2	....	1	....	1	1	1	1	....	2	....	....	....	1	2	....	156B
....	2	2	....	....	....	....	....	1	....	....	....	2	....	....	....	1	....	
....	494	4	6	1	....	55	35	53	43	45	34	45	36	39	44	33	43	
...	264	3	3	1	....	29	21	29	25	25	19	21	20	22	18	20	22	
....	230	1	3	....	....	26	14	24	18	20	15	24	16	17	26	13	21	
...	264	3	3	1	....	29	21	29	25	25	19	21	20	22	18	20	22	157
....	230	1	3	....	....	26	14	24	18	20	15	24	16	17	26	13	21	
....	38	....	2	....	....	4	3	4	2	2	2	3	8	3	4	2	3	157A
....	27	....	....	....	....	3	1	3	5	4	2	2	1	....	1	2	3	
....	52	....	....	....	....	8	4	3	7	5	2	4	3	4	1	6	5	157B
....	80	....	....	....	....	10	7	11	6	5	5	7	8	4	7	5	5	
....	104	1	1	1	....	11	12	11	10	10	9	7	5	9	6	6	11	157C
....	80	....	....	....	....	9	3	8	4	5	5	10	7	10	9	3	7	
....	3	....	....	....	....	1	....	....	....	1	....	1	....	...	....	....	....	157D
....	4	....	....	....	....	1	....	....	....	....	....	....	....	....	1	2	....	
....	67	2	....	....	....	5	2	11	6	7	6	6	4	6	7	6	3	157E
....	39	1	3	....	....	3	3	2	3	6	3	5	....	3	8	1	6	
....	1503	....	....	....	1	153	131	124	142	149	123	111	111	97	129	104	130	
....	881	....	....	....	1	94	75	74	78	89	79	61	58	55	81	64	74	
....	622	....	....	....	....	59	56	50	64	60	44	50	53	42	48	40	56	
....	52	....	....	....	....	9	5	3	4	4	3	2	5	3	6	6	2	158
....	38	....	....	....	....	5	4	3	1	4	3	4	3	3	4	2	2	
....	539	....	....	....	1	54	49	43	45	50	49	41	35	31	50	41	52	159
....	399	....	....	....	....	39	33	31	39	35	29	33	36	26	32	27	39	
....	161	....	....	....	....	17	10	14	19	22	18	7	7	13	14	9	11	160
....	100	....	....	....	....	11	12	8	13	11	5	8	8	5	4	9	6	
....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	160A
....	2	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
				Single					Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
160B. Without mention of caesarean operation...	M	160	160	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	98	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161. Other diseases peculiar to early infancy (under 3 months)...........	M	129	129	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	85	85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161A. Atelectasis...........	M	51	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	30	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161B. Icterus of the new-born	M	15	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	10	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161C. Sclerema and oedema.	M	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161D. Athrepsia............	M	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161E. Others, including lack of care..............	M	50	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	36	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161F. No cause given, no doctor in attendance.....	M	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	F	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CLASS XVI.—SENILITY														
Total...............	...	400	.....	.....	.....	1	60	.....	.....	.....	.....	89	.....	250
	M	166	.....	.....	.....	1	23	.....	.....	.....	.....	65	.....	77
	F	234	.....	.....	.....	.....	37	.....	.....	.....	.....	24	.....	173
162. Senility...............	M	166	.....	.....	.....	1	23	.....	.....	.....	.....	65	.....	77
	F	234	.....	.....	.....	.....	37	.....	.....	.....	.....	24	.....	173
162A. With senile dementia (70 years and over)...	M	45	.....	.....	.....	.....	8	.....	.....	.....	.....	19	.....	18
	F	53	.....	.....	.....	.....	8	.....	.....	.....	.....	10	.....	35
162B. Without senile dementia (70 years and over)	M	120	.....	.....	.....	.....	15	.....	.....	.....	.....	46	.....	59
	F	181	.....	.....	.....	.....	29	.....	.....	.....	.....	14	.....	138
162C. Premature senility (55 years but under 70 years)...............	M	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS														
Total...............	...	2718	391	254	200	109	142	.....	29	313	417	281	.....	540
	M	1863	263	212	180	92	68	.....	19	245	334	198	.....	211
	F	855	128	42	20	17	74	.....	10	68	83	83	.....	329
163-171. Suicides...........	M	272	.....	11	42	20	10	.....	1	42	84	26	.....	25
	F	85	.....	4	11	10	.....	.....	3	20	18	4	.....	14
163. Suicide by solid or liquid poisons or by absorption of corrosive substances..............	M	30	.....	1	7	.....	.....	.....	.....	8	12	2	.....	.....
	F	30	.....	4	2	3	.....	.....	1	8	7	.....	.....	4
164. Suicide by poisonous gas	M	29	.....	.....	2	5	.....	.....	.....	4	8	4	.....	5
	F	9	.....	.....	3	2	.....	.....	.....	1	1	.....	.....	2
165. Suicide by hanging or strangulation........	M	72	.....	2	7	8	3	.....	.....	11	28	4	.....	7
	F	12	.....	.....	1	1	.....	.....	1	4	3	.....	.....	2
166. Suicide by drowning....	M	29	.....	1	4	1	3	.....	1	.....	8	5	.....	1
	F	19	.....	.....	2	4	.....	.....	1	2	6	1	.....	3
167. Suicide by firearms.....	M	72	.....	6	16	4	3	.....	.....	11	21	6	.....	5
	F	5	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....	2
168. Suicide by cutting or piercing instruments..	M	19	.....	.....	1	2	.....	.....	.....	2	3	4	.....	6
	F	5	.....	.....	.....	.....	.....	.....	.....	1	1	3	.....	.....
169. Suicide by jumping from high places..........	M	10	.....	1	.....	.....	1	.....	.....	4	3	1	.....	.....
	F	3	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	1
170. Suicide by crushing....	M	6	.....	.....	1	.....	.....	.....	.....	1	1	.....	.....	1
	F	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
171. Suicide by other means.	M	5	.....	.....	4	.....	.....	.....	.....	1	.....	.....	.....	.....
	F	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
....	160	....	....	....	....	17	10	14	19	21	18	7	7	13	14	9	11	160B
....	98	....	....	....	....	11	12	8	12	10	5	8	8	5	4	9	6	
....	129	....	....	....	....	14	11	14	10	13	9	11	11	8	11	8	9	161
....	85	....	....	....	....	4	7	8	11	10	7	5	6	8	8	2	9	
....	51	....	....	....	....	6	5	3	3	6	3	4	3	1	7	4	6	161A
....	30	....	....	....	....	1	5	2	4	4	1	1	3	4	2	1	2	
....	15	....	....	....	....	2	2	1	5	....	....	3	....	2	....	....	....	161B
....	10	....	....	....	....	1	....	....	1	1	1	3	1	....	1	....	1	
....	3	....	....	....	....	....	....	....	....	2	....	....	....	....	1	....	....	161C
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	
....	5	....	....	....	....	....	1	....	....	1	1	....	....	1	....	....	1	161D
....	4	....	....	....	....	....	....	....	1	....	1	....	....	1	1	....	....	
....	50	....	....	....	....	5	3	10	1	4	5	3	7	4	3	3	2	161C
....	36	....	....	....	....	2	2	4	5	5	4	1	2	2	3	1	5	
....	5	....	....	....	....	1	....	....	1	....	....	1	1	....	....	1	....	161F
....	4	....	....	....	....	....	....	2	....	....	....	....	....	1	....	....	1	
....	299	80	9	9	3	47	38	45	32	30	24	23	23	30	33	32	43	
....	122	37	1	5	1	20	17	16	15	15	7	10	3	16	18	11	18	
....	177	43	8	4	2	27	21	29	17	15	17	13	20	14	15	21	25	
....	122	37	1	5	1	20	17	16	15	15	7	10	3	16	18	11	18	162
....	177	43	8	4	2	27	21	29	17	15	17	13	20	14	15	21	25	
....	30	12	....	3	....	6	5	1	7	4	1	2	1	6	2	4	6	162A
....	42	7	2	1	1	10	7	8	1	3	3	2	4	5	2	4	4	
....	91	25	1	2	1	14	11	15	8	11	6	8	2	10	16	7	12	162B
....	135	36	6	3	1	17	14	21	16	12	14	11	16	9	13	17	21	
....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	162C
42	2020	370	82	202	44	174	174	180	190	245	220	311	250	243	281	244	206	
41	1354	241	59	168	41	105	120	110	125	175	155	206	169	185	184	182	147	
1	666	129	23	34	3	69	54	70	65	70	65	105	81	58	97	62	59	
11	160	45	6	51	10	15	22	19	29	32	21	22	24	21	19	23	25	163-171
1	57	16	1	10	1	4	5	4	12	4	6	12	7	8	10	7	6	
....	18	4	1	6	1	1	3	1	4	4	....	4	4	5	1	....	3	163
1	24	2	1	2	1	3	....	4	5	1	2	4	2	3	2	1	3	
1	14	9	1	4	1	2	3	4	1	1	....	2	4	3	1	5	3	164
....	7	2	....	....	....	....	1	....	1	1	....	1	1	....	....	3	1	
2	38	12	....	21	1	3	7	4	8	10	5	8	3	4	7	4	9	165
....	7	2	....	3	....	....	1	....	2	....	1	1	2	2	2	1	....	
5	12	7	2	4	4	....	....	2	3	5	7	4	3	1	1	2	1	166
....	12	6	....	1	....	....	1	....	3	2	3	2	2	1	4	1	....	
....	56	7	2	7	....	6	4	5	10	8	6	3	6	5	5	10	4	167
....	3	1	....	1	....	....	....	....	....	....	....	1	....	....	2	1	1	
1	12	3	....	3	1	2	4	2	....	1	2	1	2	....	1	2	2	168
....	1	2	....	2	....	....	1	....	....	....	....	2	....	1	....	....	1	
....	6	3	....	1	....	1	1	1	....	2	....	....	1	2	1	....	1	169
....	2	....	....	1	....	....	1	....	....	....	....	1	....	1	....	....	....	
2	2	....	....	2	2	....	....	....	....	1	1	....	1	1	....	....	2	170
....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	
....	2	....	....	3	....	....	....	....	3	....	....	....	....	....	2	....	....	171
....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					
			Under 15	15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	Widowed
173-175. Homicides	M	30	9	.....	2	3	2	.....	.....	8	3	.....	.....	2
	F	9	2	3	.....	.....	1	.....	.....	3	.....	.....	.....	.....
173. Homicide by firearms	M	6	.....	.....	1	1	.....	.....	.....	2	1	.....	.....	1
	F	3	.....	1	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
174. Homicide by cutting or piercing instruments	M	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	F	2	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
175. Homicide by other means	M	23	9	.....	1	2	1	.....	.....	6	2	.....	.....	1
	F	4	2	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
176-198. Other violent deaths	M	1561	254	201	136	69	56	.....	18	195	247	172	.....	184
	F	761	126	35	9	7	73	.....	7	45	65	79	.....	315
176. Attack by venomous animals	M	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
177. Food poisoning	M	4	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
	F	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
178. Accidental absorption of toxic gases	M	27	2	1	4	2	.....	.....	.....	5	7	2	.....	3
	F	18	1	1	1	.....	3	.....	.....	3	2	1	.....	6
179. Other acute accidental poisonings (except by gas)	M	9	5	1	.....	.....	.....	.....	.....	1	1	.....	.....	1
	F	4	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
180. Conflagration	M	42	17	2	2	5	2	.....	1	4	4	1	.....	3
	F	22	13	1	.....	.....	.....	.....	.....	2	2	3	.....	1
181. Accidental burns (conflagration excepted)	M	40	12	7	2	2	1	.....	.....	4	6	4	.....	1
	F	41	17	.....	1	.....	2	.....	2	4	2	4	.....	9
182. Accidental mechanical suffocation	M	32	23	1	2	.....	.....	.....	.....	1	2	.....	.....	3
	F	21	19	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
183. Accidental drowning	M	243	62	55	33	4	1	.....	1	38	22	5	.....	13
	F	35	13	6	2	.....	.....	.....	1	9	2	.....	.....	2
184. Accidental injury by firearms	M	33	2	9	5	.....	1	.....	.....	10	6	.....	.....	.....
185. Accidental injury by cutting or piercing instruments	M	16	3	2	2	1	.....	.....	.....	3	1	2	.....	2
	F	5	3	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
186. Accidental injury by fall, crushing or landslide	M	973	108	113	75	48	45	.....	15	107	167	145	.....	139
	F	568	51	26	5	6	64	.....	4	23	53	63	.....	273
188. Injuries by animals	M	15	2	.....	1	3	1	.....	.....	1	2	1	.....	4
	F	3	1	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....
189. Hunger or thirst	M	4	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
190. Excessive cold	M	15	1	2	.....	1	2	.....	.....	1	4	2	.....	1
	F	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
191. Excessive heat	M	21	3	.....	1	2	1	.....	.....	.....	6	3	.....	5
	F	12	2	.....	.....	.....	2	.....	.....	.....	.....	2	.....	6
192. Lightning	M	9	.....	.....	1	.....	.....	.....	.....	3	4	.....	.....	.....
	F	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
193. Accidents due to electric currents	M	18	3	2	.....	.....	.....	.....	.....	9	2	.....	.....	2
	F	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
194. Other accidents	M	48	8	6	5	1	2	.....	1	7	9	5	.....	4
	F	23	3	.....	.....	.....	.....	.....	.....	1	.....	6	.....	13
194A. Foreign body	M	6	4	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
	F	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
194B. Others under this title	M	42	4	5	5	1	2	.....	1	7	8	5	.....	4
	F	22	2	.....	.....	.....	.....	.....	.....	1	.....	6	.....	13
195. Violent deaths of which the nature (accident, suicide, homicide) is unknown	M	9	.....	.....	1	.....	.....	.....	.....	1	3	.....	.....	1
	F	4	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	3
198. Capital punishment	M	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
CLASS XVIII.—ILL-DEFINED CAUSES OF DEATH														
Total	...	57	21	1	3	3	3	.....	.....	1	7	10	...	6
	M	38	13	1	1	2	3	.....	.....	1	5	8	.....	3
	F	19	8	.....	2	1	.....	.....	.....	.....	2	2	.....	3
199. Sudden death	M	13	2	.....	.....	.....	2	.....	.....	1	2	4	.....	2
	F	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	3

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	20	1	2	3	4	4	1	2	5	3	1	3	2	2	3	2	2	173–175
....	8	....	....	1	....	2	....	....	3	1	....	....	1	2	....	....	....	
....	3	....	1	2	....	2	....	....	1	1	....	1	....	....	....	1	....	173
....	2	....	....	1	....	2	....	....	....	1	....	....	....	....	....	....	....	
....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	174
....	2	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	
1	16	1	1	1	4	2	1	2	4	2	1	2	1	2	3	1	2	175
....	4	....	....	....	....	....	....	....	2	....	....	....	....	2	....	....	....	
29	1174	195	51	114	27	86	97	89	91	140	133	181	143	162	162	157	120	176–198
....	601	113	22	23	2	63	49	66	50	65	59	93	73	48	87	55	53	
....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	176
....	4	....	....	....	....	....	....	....	....	1	....	....	....	2	....	1	....	177
....	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	
1	18	8	....	1	....	2	2	4	1	4	4	3	....	1	....	3	3	178
....	13	4	....	1	....	3	3	....	....	2	....	....	1	....	3	4	2	
....	9	....	....	....	....	1	1	2	....	....	....	2	1	....	2	....	....	179
....	4	....	....	....	....	....	1	....	1	....	....	1	....	....	1	....	....	
1	36	5	....	1	....	8	5	....	1	1	2	2	2	8	2	8	3	180
....	21	1	....	....	....	1	4	....	1	4	1	2	....	3	....	4	2	
1	30	7	....	2	1	2	4	3	3	2	2	5	4	4	6	2	3	181
....	37	3	....	1	....	6	4	5	4	....	3	3	3	2	8	2	1	
....	28	1	....	3	....	4	8	4	2	....	1	1	2	2	3	4	1	182
....	20	....	1	....	....	2	2	5	1	1	2	2	3	1	1	1	....	
9	184	19	12	19	9	4	1	2	12	30	32	54	36	17	17	27	11	183
....	33	1	....	1	....	....	1	....	....	6	3	11	9	....	3	2	....	
....	28	1	2	1	1	5	....	1	2	3	1	....	1	2	6	7	5	184
....	13	....	1	1	1	1	2	1	....	2	1	1	3	1	3	1	....	185
....	5	....	....	....	....	....	....	....	....	....	1	....	2	1	1	....	....	
11	719	139	31	73	11	50	62	67	62	82	79	87	81	110	109	98	86	186
....	438	92	18	18	2	49	32	52	39	49	47	58	52	37	66	42	45	
....	11	2	....	2	....	1	....	....	1	2	....	2	....	1	2	4	2	188
....	3	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	1	
1	3	....	....	....	1	....	1	1	....	1	....	....	....	1	....	....	....	189
1	10	2	2	1	....	4	5	1	2	1	....	....	....	....	2	....	....	190
....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	
....	16	3	1	1	....	....	....	....	....	2	1	13	2	3	....	....	....	191
....	6	6	....	....	....	....	....	....	....	....	....	11	....	1	....	....	....	
1	3	....	2	4	....	....	....	....	....	....	3	2	1	3	....	....	....	192
....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	
....	14	4	....	....	....	....	....	1	1	3	3	2	5	1	1	....	1	193
....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	
....	41	3	....	4	....	4	6	2	4	3	3	4	3	6	8	2	3	194
....	15	5	3	....	....	1	1	2	4	3	1	4	2	1	3	...	1	
....	5	1	....	....	....	1	1	....	1	....	....	....	....	1	1	....	1	194A
....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	
....	36	2	....	4	....	3	5	2	3	3	3	4	3	5	7	2	2	194B
....	14	5	3	....	....	1	1	2	3	3	1	4	2	1	3	....	1	
3	5	1	....	....	3	....	....	....	....	3	1	2	2	....	....	....	1	195
....	2	1	....	1	....	1	....	1	....	....	1	....	....	....	1	....	....	
....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	1	198
2	49	6	....	2	....	4	5	5	6	5	5	4	2	5	7	4	5	
1	32	4	....	2	....	2	4	4	3	4	4	2	2	3	3	3	4	
1	17	2	....	....	....	2	1	1	3	1	1	2	....	2	4	1	1	
....	10	3	....	....	....	....	3	1	1	1	3	1	....	....	1	....	2	199
....	5	....	....	....	....	1	....	1	1	....	1	....	....	....	....	1	....	

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Under 15	Single					Married					Widowed
				15–24	25–44	45–64	65 and over	Age not stated	15–24	25–44	45–64	65 and over	Age not stated	
200. Cause of death not specified or ill-defined	M	25	11	1	1	2	1	.....	.....	.....	3	4	.....	1
	F	14	8	.....	2	1	.....	.....	.....	.....	2	.....	.....	.....

SPECIAL CLASSES OF

(Included also under the numbers

ONTARIO,

A. Accidents in mines and quarries	M	38	....	3	8	.....	.....	.....	3	19	4	.....	.....	1
B. Accidents caused by machines	M	48	5	5	5	1	1	.....	2	7	12	5	.....	4
	F	6	3	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1
C. Railway accidents	M	70	7	8	7	8	2	.....	.....	11	13	3	.....	7
	F	9	1	3	.....	.....	.....	.....	.....	1	2	.....	.....	2
D. Street-car accidents	M	6	.....	.....	.....	2	1	.....	.....	.....	.....	1	.....	2
	F	8	.....	.....	.....	.....	1	.....	.....	.....	2	.....	.....	5
E. Automobile and motorcycle accidents	M	505	83	84	46	21	13	.....	7	66	93	46	.....	41
	F	177	38	23	5	4	9	.....	5	18	34	10	.....	31
F. Other land transportation	M	42	5	6	1	6	4	.....	1	4	8	5	.....	2
	F	4	3	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
G. Water transportation	M	70	2	17	16	2	1	.....	.....	17	8	3	.....	3
	F	3	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1
H. Air transportation	M	18	.....	10	4	.....	.....	.....	1	3	.....	.....	.....	.....

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1939—Continued

	NATIVITY					MONTHS												
			Foreign															
Not stated	Canada	British	USA	Other	Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	22	1	.....	2	....	2	1	3	2	3	1	1	2	3	2	3	2	200
1	12	2	.....	.....	....	1	1	.....	2	1	.....	2	.....	2	4	.....	1	

ACCIDENTAL DEATHS

of the International List above)

1939

....	18	4	.....	15	1	5	4	6	1	1	5	1	2	2	10	1	.....	A
1	38	3	.....	7	....	2	3	3	3	6	5	5	6	4	6	2	3	B
....	5	1	.....	.....	....	.....	1	.....	.....	2	.....	.....	1	1	1	.....	.....	
4	54	7	3	4	2	5	7	4	3	4	7	10	9	9	3	4	5	C
....	8	1	.....	.....	....	1	2	.....	.....	.....	1	1	.....	2	1	.....	1	
....	5	1	.....	.....	....	.....	.....	2	.....	.....	.....	.....	.....	1	2	.....	1	D
....	3	4	.....	1	...	3	.....	.....	.....	.....	.....	.....	1	.....	.....	1	3	
5	388	60	19	32	6	18	16	25	29	41	41	47	52	62	58	63	53	E
....	130	25	11	9	2	2	6	5	9	18	17	27	21	13	29	15	15	
....	36	3	1	2	....	1	3	.....	5	4	4	4	6	4	2	5	4	F
....	3	.....	.....	1	....	1	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	
1	46	9	7	7	1	.....	.....	.....	2	12	7	8	16	11	12	1	1	G
....	2	1	.....	.....	....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	
....	15	1	1	.....	1	.....	.....	1	.....	.....	1	2	1	2	2	9	.....	H

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora; incl. Patricia	Kent	Lambton
Total	15,884	55	210	255	473	237	346	156	190	255	327	336	215	181	178	486	253	61	213	403	563	121	412	410
Class I.—Infectious and Parasitic Diseases																								
Total	1488	6	21	27	29	16	25	8	11	14	27	33	18	32	13	32	17	6	21	32	35	14	29	20
1. Typhoid fever	5	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
2. Paratyphoid fever	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Undulant fever	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
7. Measles	14	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
8. Scarlet fever	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Whooping-cough	30	...	2	...	...	1	1	...	1	...	1	2	...	...	...	...	...	...	...	3	...	...	...	...
10. Diphtheria	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
11. Influenza	666	5	6	12	24	8	5	6	6	11	20	25	13	10	10	27	10	3	14	17	28	4	26	13
11A. Sole cause	53	...	...	...	1	...	1	1	...	...	...	3	1	...	2	1	...	1	3	...	2	4	4	...
11B. With bronchitis	35	...	1	1	2	...	...	...	...	...	2	1	...	2	...	...	...	...	1	2	1	...	1	...
11C. With pneumonia	295	3	1	4	10	4	2	3	1	5	12	10	7	3	4	9	4	1	9	8	11	...	11	7
11D. With other diseases of the respiratory system	41	...	...	...	...	...	...	1	...	1	2	1	...	...	1	2	1	...	...	2	2	...	3	1
11E. With intestinal complications	34	1	1	1	2	1	...	...	1	...	...	...	1	...	1	1	...	...	...	...	2	...	...	1
11F. With other causes	208	1	3	6	9	3	2	1	4	5	4	10	4	5	2	14	5	1	1	5	10	...	7	4
13. Dysentery	17	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	1	...	2	...	1	...	...
15. Erysipelas	10	...	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...
16. Poliomyelitis and polioencephalitis (acute)	2	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
17. Lethargic or epidemic encephalitis	8	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1	...	...	1
18. Epidemic cerebrospinal meningitis	7	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
22. Tetanus	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23–32. Tuberculosis	670	1	10	15	4	6	13	1	3	1	3	3	5	22	3	4	3	1	5	9	3	7	2	4
23. Tuberculosis of the respiratory system	622	...	10	14	4	5	10	1	3	...	3	3	5	21	3	2	3	1	5	9	1	6	2	4
24. Tuberculosis of the meninges and central nervous system	15	...	...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
25. Tuberculosis of the intestines and peritoneum	13	1	...	...	...	...	1	...	...	1	...	...	...	1	...	1	...	...	...	...	...	1	...	...
26. Tuberculosis of the vertebral column	8	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27. Tuberculosis of the bones and joints (vertebral column excepted)	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27A. Of the bones	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29. Tuberculosis of the lymphatic system (bronchial, mesenteric and retroperitoneal glands excepted)	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30. Tuberculosis of the genito-urinary system	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
32. Disseminated tuberculosis	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32C. Not specified	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34. Syphilis	22	...	...	...	1	...	...	...	...	1	1	1	...	...	...	1	1	...	1	...	...	1	1	...
35. Gonococcus infection and other venereal diseases	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36. Purulent infection, septicaemia (non puerperal)	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...
39. Other diseases due to protozoal parasites	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42. Other diseases caused by helminths	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
43. Mycoses	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44. Other infectious or parasitic diseases	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
44A. Chicken-pox	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44C. Others under this title	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Class II.—Cancer and Other Tumours																								
Total	1678	7	12	29	47	19	22	19	16	33	41	26	20	16	28	65	37	6	21	26	55	5	41	42

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
302	336	126	265	133	590	235	209	253	298	276	361	260	193	358	180	184	198	98	282	134	521	151	302	121	223	165	262	235	477	417	1403	
23	21	9	29	19	119	61	13	15	21	19	36	27	11	17	6	22	16	6	28	11	28	10	28	14	30	10	30	17	29	104	173	
..	...	..	...	..	...	..	1	...	...	...	...	..	..	...	..	..	...	..	...	1	...	..	..	..	..	..	...	...	...	...	...	1
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	1	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	2
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	5
..	...	..	...	..	...	..	..	...	2	...	...	2	..	...	..	..	...	..	...	..	1	..	4	..	1	..	...	...	...	...	1	7
..	1	..	...	..	1	1	1	...	1	1	...	1	..	...	..	..	...	..	1	..	2	..	..	..	2	..	...	...	1	...	2	8
..	...	..	1	..	...	..	1	1	1	...	2	3	..	1	..	..	...	..	2	..	...	..	2	..	1	..	...	2	1	...	1	9
..	...	..	1	..	...	..	..	1	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	10
15	16	7	12	5	18	4	6	9	9	15	30	13	8	13	3	14	10	2	23	7	15	10	5	3	5	7	10	8	20	13	28	11
2	4	2	1	..	1	..	..	1	1	1	1	1	..	...	..	2	2	..	5	..	1	1	..	1	..	..	...	1	1	...	...	11A
..	1	1	1	..	1	1	1	1	...	1	1	..	2	...	..	..	1	..	1	1	...	1	..	..	..	..	2	...	2	...	2	11B
6	7	2	6	2	10	2	4	4	2	7	16	4	1	8	2	6	4	..	8	2	7	6	4	1	1	6	3	6	7	6	16	11C
..	...	1	...	1	1	..	..	1	1	...	2	1	1	1	..	1	1	..	...	1	1	..	..	..	..	..	1	...	3	3	3	11D
3	1	..	1	..	1	1	..	...	...	2	1	2	..	...	1	2	...	..	1	1	...	..	..	..	1	..	1	...	1	...	1	11E
4	3	1	3	2	4	..	1	2	5	4	9	5	4	4	..	3	2	2	8	2	6	2	1	1	3	1	3	1	6	4	6	11F
1	...	..	1	..	1	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	3	..	1	..	1	..	...	...	1	...	1	13
..	...	..	...	..	...	..	..	...	...	...	...	..	..	1	..	..	1	..	...	1	...	..	..	..	..	..	...	2	...	...	...	15
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	16
..	...	1	...	..	...	..	..	...	...	1	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	17
..	...	..	...	..	...	1	1	...	...	...	1	..	..	...	..	..	...	1	...	..	...	..	1	..	..	..	...	...	...	...	...	18
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	1	...	..	...	..	..	..	..	..	...	...	...	...	...	22
7	3	1	14	13	94	55	3	3	6	1	2	8	3	2	3	5	5	2	2	2	5	..	15	10	20	3	20	4	5	90	136	22–32
6	2	1	14	12	88	55	1	2	6	1	1	4	3	1	2	4	5	2	2	2	5	..	11	9	18	3	20	4	4	89	130	23
1	...	..	...	..	1	..	2	...	...	...	1	1	..	...	1	..	...	..	...	..	...	1	1	..	..	..	...	...	...	...	2	24
..	1	..	...	1	2	..	..	...	...	...	...	1	..	...	..	..	...	..	...	..	...	..	1	..	1	..	...	...	...	...	...	25
..	...	..	...	..	1	..	..	1	...	...	...	1	..	...	..	..	...	..	...	..	...	..	1	..	1	..	...	...	1	1	...	26
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	...	27
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	...	27A
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	29
..	...	..	...	..	1	..	..	...	...	...	...	..	..	...	..	1	...	..	...	..	...	..	..	..	..	..	...	...	...	...	2	30
..	...	..	...	..	1	..	..	...	...	...	...	1	..	1	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	32
..	...	..	...	..	1	..	..	...	...	...	...	1	..	1	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	32C
..	...	..	...	1	3	..	..	1	1	...	...	..	..	...	..	1	...	..	...	..	1	..	..	1	..	..	...	1	1	1	1	34
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	35
..	1	..	...	..	1	..	..	...	1	...	1	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	2	36
..	...	..	...	..	1	..	..	...	...	1	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	39
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	1	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	42
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	43
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	...	...	...	...	...	44
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	...	...	...	...	...	44A
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	44C
45	25	13	35	14	66	23	18	43	27	30	44	20	23	39	15	22	17	9	34	7	59	14	13	5	26	18	24	29	68	38	182	

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton
45-53. Cancer and other malignant tumours	1598	7	11	26	44	19	22	18	16	32	40	26	19	15	26	64	35	6	20	26	50	5	39	40
45. Cancer of the buccal cavity and pharynx	55	..	1	..	2	..	..	2	1	3	1	1	1	..	..	1	1	..	1	..	1	1	1	2
46. Cancer of the digestive tract and peritoneum	800	3	4	15	23	9	14	14	11	16	17	14	5	8	17	33	24	6	8	13	23	3	22	23
46A. Of the oesophagus	23	..	..	..	..	..	..	1	..	..	..	..	..	..	..	2	..	1	..	1	..	..	..	1
46B. Of the stomach and duodenum	305	..	1	4	9	5	6	6	4	7	7	6	1	2	2	13	7	1	5	3	8	3	9	12
46C. Of the rectum	81	..	1	4	1	2	2	1	1	1	1	1	..	1	3	2	5	1	..	2	2	..	1	5
46D. Of the liver and biliary ducts	110	..	1	3	1	1	3	3	3	1	2	3	2	2	3	4	..	2	..	1	6	..	1	1
46E. Of the pancreas	46	..	..	..	4	..	..	..	..	..	2	1	1	..	1	3	3	..	..	1	..	..	2	..
46F. Of the peritoneum	5	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
46G. Of other organs	230	3	1	3	8	1	3	3	3	7	5	3	1	3	8	9	9	1	3	5	7	..	9	4
47. Cancer of the respiratory organs	51	..	..	1	1	1	..	..	..	..	1	1	1	..	2	1	..	..	1	..	1	..	1	1
47A. Of the larynx	10	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
47B. Of the lung	34	..	..	..	1	1	..	..	..	..	1	1	1	..	1	1	..	..	1	..	..	..	..	..
47C. Of the mediastinum	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
47D. Of other organs of the respiratory system	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
48. Cancer of the uterus	123	..	3	2	2	1	4	..	..	3	5	1	4	1	1	8	3	..	1	1	2	..	2	2
48A. Of the uterus	85	..	3	1	1	1	4	..	3	3	3	..	..	1	1	6	3	..	1	1	2	..	1	2
48B. Of the cervix uteri	38	..	..	1	1	..	..	..	..	..	2	1	4	..	..	2	..	..	..	..	..	..	1	..
49. Cancer of other female genital organs	38	..	..	1	1	..	1	..	..	..	2	1	..	1	1	1	1	..	1	1	2	..	..	..
50. Cancer of the breast	201	..	1	4	6	3	..	..	..	3	3	2	2	2	1	9	4	..	3	4	9	..	5	3
51. Cancer of the male genito-urinary organs	150	4	1	3	6	1	2	1	..	2	6	2	2	2	2	9	2	..	1	3	5	1	3	2
51A. Of the bladder	24	..	..	..	2	..	..	1	..	..	..	2	..	..	..	3	1	..	..	..	..	..	1	1
51B. Of the kidney	7	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
51C. Of the prostate gland	108	3	..	3	3	1	1	..	..	2	6	..	1	2	2	6	1	..	1	3	5	1	2	1
51D. Of the testicles and annexa	8	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
51E. Of other male genito-urinary organs	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
52. Cancer of the skin	42	..	1	..	1	..	1	1	..	3	2	..	1	..	2	1	..	..	..	..	1	..	1	2
53. Cancer of other or unspecified organs	138	..	..	..	2	4	..	..	4	2	3	4	3	1	..	1	..	..	4	4	6	..	4	5
53A. Of the eye and orbit	7	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2
53C. Of the glandular system	28	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	..	1	3	3	..	..	..
53D. Of the female urinary organs	27	..	..	..	1	..	..	..	2	..	2	1	..	1	..	..	..	..	..	..	2	..	..	..
53E. Of the bones and joints	17	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..
53F. Of the brain	21	..	..	..	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	..	..	1
53G. Of the spine and spinal cord	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
53H. Of the neck	5	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1
53I. Of the abdomen	15	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	1	1	..	..	1	..
53J. Of other specified organs	10	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	1
53K. Multiple cancer	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
53M. Of unspecified or unknown location	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
54. Non-malignant tumours	74	..	1	3	3	..	..	1	..	1	1	..	1	..	2	1	1	..	1	..	5	..	2	2
54A. Of the ovary	11	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
54B. Of the uterus	17	..	..	1	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..
54D. Of the brain	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
54E. Of the thyroid gland	16	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..
54F. Of the prostate gland	11	..	..	1	..	..	..	..	..	..	1	..	..	..	1	1	1	..	..	..	1	..	..	1
54G. Of other or unspecified sites	10	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	2	..	..	1
55. Tumours, nature not specified	6	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
55G. Of other or unspecified sites	6	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
CLASS III.—RHEUMATIC DISEASES, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS AND OTHER GENERAL DISEASES																								
Total	422		3	9	24	3	11	3	8	6	9	16	4	3	1	23	10	1	6	10	16	2	8	9
56. Acute rheumatic fever	47		1	1	2	..	3	1	.	2	..	5	..	..	..	5	1	..		2	.	..	1	1
57. Chronic rheumatism, osteoarthritis	28		1	..	3	..	1	..	1	.	1	..	..	..	..		1	.		2	4	.	..	..

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
41	24	12	32	12	65	23	17	40	27	29	44	20	22	37	15	20	17	9	33	7	55	13	13	5	25	17	22	28	61	37	170	45 53
..	2	..	3	..	3	1	..	2	..	2	4	2	1	2	2	1	..	1	..	..	2	..	..	1	1	1	..	..	1	..	3	45
23	15	6	9	4	31	11	11	19	15	10	18	12	13	14	6	13	8	4	14	7	21	8	5	2	12	12	12	14	40	15	71	46
1	1	..	..	..	1	..	..	1	..	1	1	..	1	..	..	..	..	..	1	..	1	..	..	..	..	1	..	2	3		2	46A
7	7	1	2	3	11	8	2	11	8	4	9	6	4	4	3	3	2	2	5	6	9	2	3	2	6	7	5	4	15	3	20	46B
1	2	..	..	..	3	2	..	..	3	1	1	2	1	1	..	4	..	..	1	..	2	1	..	..	..	4	1	1	2	2	9	46C
4	1	2	1	1	2	..	5	3	2	1	4	2	5	3	1	..	..	..	4	1	2	1	..	..	4	..	..	..	4	5	9	46D
2	1	..	1	..	1	1	..	1	1	3	..	..	..	1	1	1	..	..	1	..	2	..	..	..	..	..	..	..	2	..	9	46A
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	46F
8	3	3	4	..	13	..	4	3	1	..	3	2	2	5	1	5	5	2	2	..	5	4	2	..	2	..	6	7	13	5	21	46G
3	..	..	1	..	2	3	..	2	2	1	..	..	..	2	1	..	1	..	1	..	5	..	1	..	1	..	..	..	..	2	9	47
2	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	47A
1	..	..	..	..	2	2	..	2	1	1	..	..	..	2	..	..	1	..	..	..	3	..	1	..	1	..	..	1	..	2	6	47B
.	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	47C
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	47D
3	1	2	5	2	6	..	1	4	2	2	4	..	..	3	..	..	1	1	2	..	5	..	3	..	3	2	..	1	6	1	17	48
3	1	2	4	2	4	..	..	2	1	1	4	..	..	3	..	..	1	..	2	..	4	..	1	..	1	..	..	..	5	1	9	48A
..	..	..	1	..	2	..	1	2	1	1	..	..	..	..	..	..	..	1	..	..	1	..	2	..	2	2	..	1	1	..	8	48B
..	..	1	1	..	..	2	..	2	2	3	..	..	1	..	..	..	1	..	..	..	3	1	..	..	..	..	..	..	1	1	5	49
5	3	1	7	1	11	3	1	3	1	4	6	1	5	11	3	2	2	..	5	..	9	2	2	..	3	..	3	4	4	8	27	50
5	2	..	2	3	8	..	2	6	3	4	4	2	..	3	..	2	2	..	4	..	4	1	..	..	2	1	2	2	5	2	19	51
..	..	..	1	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	2	..	..	..	..	..	1	..	..	..	..	..	6	51A
..	..	..	..	..	..	..	1	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..		51B
5	2	..	1	2	8	..	1	3	3	2	3	1	..	2	..	2	2	..	2	1	..	..	..	..	..	..	2	2	3	2	13	51C
..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	.	51D
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	51E
..	1	..	..	..	1	1	..	..	..	..	3	..	1	1	..	..	1	..	2	..	3	..	..	2	2	1	2	1	..	2	1	52
2	..	2	4	2	3	2	2	2	2	3	5	3	1	1	3	2	1	3	5	..	3	1	2	..	1	..	3	5	4	6	18	53
..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	53A
..	..	1	..	1	..	1	1	2	..	1	2	1	1	..	1	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	3	53C
1	..	..	..	..	..	..	..	..	1	2	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	1	..	3	5	53D
.	..	..	2	1	1	..	..	..	..	..	..	..	..	1	..	1	..	1	1	..	..	..	..	..	..	..	1	2	..	..	1	53E
..	..	1	1	..	..	..	..	..	..	..	1	2	..	..	1	..	..	..	1	..	2	1	2	..	..	..	..	2	..	1	1	53F
..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	53G
..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	53H
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	1	5	53I
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	1	53J
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	53K
..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	53M
4	1	1	3	2	1	..	1	2	..	1	..	..	1	1	..	2	..	..	1	..	4	..	..	..	1	1	2	1	7	1	11	54
2	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	1	54A
2	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	..	4	54B
..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	2	..	2	54D
..	..	..	1	1	..	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	1	54E
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	54F
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	..	..	..	1	54G
..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	55
..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	55G
3	4	3	8	6	9	6	6	7	4	2	13	7	5	12	6	2	5	3	12	4	18	7	2	2	5	2	13	7	14	8	32	
..	..	1	1	1	1	..	2	..	..	..	1	..	..	2	1	1	..	..	..	1	..	1	1	..	..	1	..	..	2	1	4	56
..	..	..	..	..	1	..	..	..	..	2	1	1	..	2	..	..	1	..	1	1	1	..	..	1	.		1	..	1	.	..	57

TABLE 39—CAUSES OF DEATH FOR COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton
58. Gout	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
59. Diabetes mellitus	233	..	..	5	9	3	1	2	5	3	5	6	2	3	1	12	8	1	4	6	8	2	5	4
61. Beriberi	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
62. Pellagra	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
63. Rickets	4	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
64. Osteomalacia	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
66. Diseases of the thyroid and parathyroid glands	66	..	1	2	7	..	1	..	2	1	2	3	1	..	..	4	..	..	2	..	3	..	1	3
66A. Simple goitre	15	..	..	..	3	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	1
66B. Exophthalmic goitre	45	..	1	1	4	..	1	..	2	..	2	2	1	..	..	2	..	..	2	..	3	..	1	2
66C. Myxoedema, cretinism	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
66D. Tetany	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
66E. Others under this title	3	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
67. Diseases of the thymus gland	30	..	..	1	2	..	4	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	1	1
69. Other general diseases	10	..	..	..	1	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
69A. Fatty or amyloid degeneration	6	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
69C. Others under this title	4	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
CLASS VI.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS																								
Total	219	..	1	4	12	4	..	2	1	10	6	7	1	5	2	9	3	..	2	5	7	1	3	5
70. Haemorrhagic conditions	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
70A. Simple purpura	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
70B. Haemophilia	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
71. Anaemia	162	..	..	4	9	1	..	1	1	9	6	6	..	3	2	8	1	..	2	4	6	..	3	4
71A. Pernicious anaemia	136	..	..	3	9	1	..	1	1	7	6	6	..	2	2	6	1	..	1	2	6	..	2	4
71B. Others under this title	26	..	..	1	..	..	..	..	..	2	..	..	..	1	..	2	..	..	1	2	..	..	1	..
72. Leukaemia and aleukaemia	43	..	1	..	3	3	..	1	..	1	..	..	1	2	..	1	1	..	..	..	1	..	..	1
72A. Leukaemia	27	..	1	..	2	1	..	..	..	1	..	..	1	1	..	1	1	..	..	..	1	..	..	1
72B. Aleukaemia (Hodgkin's disease)	16	..	..	..	1	2	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
73. Diseases of the spleen	6	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..
74. Other diseases of the blood and blood-forming organs	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CLASS V.—CHRONIC POISONINGS AND INTOXICATIONS																								
Total	15	1	1	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	1	..	..
75. Alcoholism	12	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..
75B. Other alcoholic intoxications	12	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..
76. Chronic poisoning, by other organic substances	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
76D. Other organic poisoning	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
77. Chronic poisoning by mineral substances	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
77A. Lead (including occupational)	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
77C. Others under this title	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE																								
Total	740	5	6	8	24	16	13	10	3	6	20	7	25	5	13	26	5	1	8	13	25	7	18	18
78. Encephalitis (non-epidemic)	9	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
79. Simple meningitis	12	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
80. Progressive locomotor ataxia (tabes dorsalis)	4	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
81. Other diseases of the spinal cord	49	..	1	..	1	2	..	2	..	2	..	2	1	..	3	2	..	..	..	1	2	..	4	..
82. Cerebral haemorrhage, cerebral embolism and thrombosis	373	2	4	6	20	7	5	5	1	2	13	3	7	3	7	14	4	..	5	7	15	1	12	11
82A. Cerebral haemorrhage	289	2	3	5	14	7	4	2	1	1	11	1	4	3	4	12	4	..	3	7	13	1	7	11

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	58
3	2	2	6	1	5	5	1	4	3	..	10	1	4	7	3	..	4	2	9	1	12	5	..	..	2	..	9	5	8	4	20	59
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	61
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	62
..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	63
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	64
..	1	..	1	3	2	..	1	1	..	..	1	4	1	1	..	1	..	..	2	..	3	1	1	..	..	..	1	2	2	2	2	66
..	..	..	1	1	..	..	1	..	..	..	..	1	..	..	..	1	..	..	2	..	1	..	..	..	..	..	..	1	..	..	..	66A
..	1	..	..	2	2	..	..	1	..	..	1	2	1	1	..	..	..	..	..	..	2	1	..	..	..	..	1	1	2	2	1	66B
..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	66C
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	66D
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	66E
..	..	..	..	..	..	..	1	2	..	..	..	1	..	..	1	..	..	1	..	..	1	..	..	1	3	..	1	..	1	1	4	67
..	1	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	69
..	..	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	69A
..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	69C
10	10	1	2	2	8	4	1	2	2	5	4	..	3	3	3	2	4	..	..	..	5	4	1	..	3	4	5	4	5	4	28	
..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	70
..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	70A
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70B
8	7	1	1	1	6	4	1	2	2	4	4	..	2	3	2	1	2	..	..	..	3	3	1	..	2	2	4	1	5	3	17	71
8	6	1	..	1	3	3	1	2	2	4	4	..	1	3	2	..	2	..	..	..	3	2	1	..	2	1	3	1	3	3	14	71A
..	1	..	1	..	3	1	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..	1	1	..	2	..	3	71B
1	2	..	1	1	1	..	..	..	..	..	..	..	1	..	..	1	2	..	..	..	2	1	..	..	..	1	1	2	..	1	9	72
..	1	..	1	1	..	..	..	..	..	..	..	..	1	..	..	1	2	..	..	..	1	1	..	..	..	1	..	..	..	1	5	72A
1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	2	..	..	4	72B
..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	73
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	74
..	1	..	..	..	..	2	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2	
..	1	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2	75
..	1	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2	75B
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	76
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	76D
..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	77
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	77A
..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	77C
15	29	3	13	4	25	5	10	9	18	16	14	13	9	15	11	6	6	5	14	9	28	7	8	4	8	7	10	9	21	52	55	
1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..	2	78
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	3	..	..	..	..	..	2	..	..	..	1	..	..	79
..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	80
..	..	..	..	..	2	..	..	..	..	6	..	..	..	2	1	..	..	..	..	..	1	1	..	..	1	..	1	2	..	2	7	81
9	10	2	10	2	10	2	3	8	11	3	10	9	7	8	8	2	4	2	7	5	8	5	6	3	4	4	7	4	13	4	29	82
7	7	2	9	2	9	1	3	7	9	2	9	4	7	5	6	2	4	2	5	3	8	4	4	3	4	1	4	4	11	1	20	82A

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton
82B. Cerebral embolism and thrombosis	39	..	..	1	4	...	..	1	..	1	2	1	2	..	2	1	...	...	..	...	2	..	1	...
82C. Softening of the brain	4	..	..	..	...	...	..	..	..	...	...	...	1	..	..	...	...	..	..	...	...	..	...	...
82D. Hemiplegia and other paralysis, cause not specified	41	..	1	..	2	...	1	2	..	...	...	1	...	..	1	1	...	..	2	...	...	..	4	...
83. General paralysis of the insane	22	2	1	..	...	1	..	..	..	1	1	...	3	..	..	...	...	..	1	...	...	1	...	...
84. Dementia praecox and other psychoses	82	..	..	..	...	1	..	..	..	...	...	...	10	..	..	...	...	..	..	...	1	..	...	1
84A. Dementia praecox	64	..	..	..	...	...	..	..	..	...	...	...	7	..	..	...	...	..	..	...	...	..	...	1
84B. Other psychoses	18	..	..	..	...	1	..	..	..	...	...	...	3	..	..	...	...	..	..	...	1	..	...	...
85. Epilepsy	50	..	..	..	...	...	1	..	..	...	2	1	1	1	1	1	1	..	1	1	2	2	1	...
86. Convulsions (under 5 years of age)	11	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	1	...	...
87. Other diseases of the nervous system	113	1	..	2	3	5	1	3	2	1	4	...	2	1	2	9	...	..	1	3	4	1	1	5
87A. Chorea	2	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	1	..	...	...
87B. Neuralgia and neuritis	11	..	..	..	...	2	..	..	..	...	2	...	...	..	..	...	...	..	..	...	...	..	1	...
87C. Paralysis agitans	44	..	..	2	2	3	..	..	1	1	2	...	1	1	..	2	...	..	..	2	1	..	...	1
87D. Sclerosis (other than of the spinal cord)	32	1	..	..	1	...	..	2	1	...	...	...	...	..	2	5	...	..	1	1	2		1..	2
87E. Others under this title	24	..	..	..	...	...	1	1	..	...	...	...	1	..	..	2	...	..	..	...	...	..	...	2
88. Diseases of the organs of vision	3	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	1	...	...
89. Diseases of the ear and mastoid process	12	..	..	..	...	...	2	..	..	...	...	1	...	..	..	...	...	1	..	...	1	..	...	...
89A. Otitis	9	..	..	..	...	...	2	..	..	...	...	1	...	..	..	...	...	1	..	...	1	..	...	...
89B. Diseases of the mastoid process	3	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM																								
Total	5945	19	72	92	183	123	55	67	82	102	146	138	82	67	66	179	108	27	94	140	238	35	199	168
90–95. Diseases of the heart	3410	12	45	57	101	67	39	26	49	48	83	85	49	39	36	97	49	16	54	69	142	29	98	97
90. Pericarditis	1	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	1	..	..	...	...	..	...	..
91. Acute endocarditis	29	..	..	..	2	...	..	..	2	1	...	2	1	..	1	1	1	..	1	...	1	..	1	3
91A. Endocarditis specified as acute	23	..	..	..	1	...	..	..	2	1	...	1	1	..	..	1	1	..	1	...	1	..	1	2
91B. Endocarditis unspecified (under 45 years of age)	6	..	..	..	1	...	..	..	..	...	...	1	...	..	1	...	...	..	..	...	...	..	...	1
92. Chronic endocarditis, valvular diseases	487	2	17	4	24	6	5	2	6	7	9	6	6	21	7	16	10	1	6	7	15	10	19	5
92A. Endocarditis specified as chronic and other valvular diseases	408	2	13	4	21	5	4	2	5	7	8	6	6	7	5	15	7	1	6	7	14	9	14	5
92B. Endocarditis, unspecified (45 years and over)	79	..	4	..	3	1	1	..	1	...	1	...	..	14	2	1	3	..	..	...	1	1	5	...
93. Diseases of the myocardium	1166	4	20	26	30	21	9	5	26	13	30	31	21	9	8	31	15	10	20	33	48	4	25	26
93A. Ccute myocarditis	48	..	1	4	...	1	..	..	5	...	3	3	1	1	..	..	1	..	2	1	...	1	1	1
93B. Myocarditis, unspecified (under 45 years of age)	14	..	..	..	..	...	..	..	1	...	..	1	...	..	1	1	1	..	..	1	...	..	..	1
93C. Chronic myocarditis and myocardial degeneration	657	3	8	15	12	10	4	3	8	12	21	15	16	3	5	22	7	8	7	18	33	1	15	15
93D. Myocarditis, unspecified (45 years and over)	447	1	11	7	18	10	5	2	12	1	6	12	4	5	2	8	6	2	11	13	15	2	9	9
94. Diseases of the coronary arteries and angina pectoris	1571	5	8	25	43	37	19	17	10	27	41	44	18	6	18	43	22	5	25	27	68	15	52	59
94A. Diseases of the coronary arteries	54	..	1	..	...	...	..	2	..	...	1	3	..	1	..	3	...	..	..	...	...	2	1	4
94B. Embolism and thrombosis of the coronary arteries	1349	4	4	21	39	37	18	13	9	23	37	32	15	3	14	38	21	5	21	25	58	12	46	49
94C. Angina pectoris	168	1	3	4	4	...	1	2	1	4	3	9	3	2	4	2	1	..	4	2	10	1	5	6
95. Other diseases of the heart	156	1	..	2	2	3	6	2	5	...	3	2	3	3	2	6	..	..	2	2	10	..	1	4
95A. Functional diseases of the heart	34	..	..	..	...	1	2	..	1	..	2	...	1	1	..	4	..	..	.	1	..	..	.	1
95B. Other and unspecified	122	1	..	2	2	2	4	2	1	..	1	2	2	2	2	2	..	..	2	1	10	..	1	3
96. Aneurysm (except of the heart)	18	..	..	..	...	...	..	..	..	...	...	...	...	..	2	...	...	..	..	1	2	..	1	1
97. Arteriosclerosis (of coronary arteries excepted)	2053	5	24	25	69	48	7	34	23	50	54	44	25	20	24	64	51	7	36	53	69	4	77	63
98. Gangrene	54	..	2	..	2	1	..	1	..	1	1	2	1	..	..	4	..	..	1	4	4	..	..	1
99. Other diseases of the arteries	21		..	..	1	.	1	..	..	1	..	..			1	1	..	..	..	1	5	.	..	.

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
1	1	..	1	..	...	1	..	1	1	...	1	..	..	..	2	..	..	..	1	..	..	..	2	..	..	.		..	1	1	7	82B
..	...	..	...	..	...	..	..	...	...	...	...	..	..	2	..	..	...	..	...	..	...	..	..	..	..	1	.	..	..			82C
1	2	..	...	..	1	..	..	...	1	1	...	5	..	1	..	..	...	..	1	2	..	1	..	..	..	2	3	..	1	2	2	82D
..	1	..	...	..	1	..	..	...	...	...	1	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	..	..	..	7		83
..	17	..	...	..	8	..	1	...	1	2	...	1	..	...	..	..	...	..	...	..	2	..	..	1	..	..	1	..	..	34	1	84
..	12	..	...	..	8	..	1	...	...	1	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	1	...	...	32	.	84A
..	5	..	...	..	...	..	..	...	1	1	...	1	..	...	..	..	...	..	...	..	1	..	..	1	..	..	...	...	...	2	1	84B
..	...	..	...	..	1	1	2	1	3	...	1	2	1	2	..	..	1	2	3	..	4	..	..	..	1	1	..	...	1	4	3	85
.	...	..	...	2	..	1	3	..	..	...	...	1	..	...	..	..	...	1	...	..	...	..	..	..	..	..	..	1	...	..	1	86
5	1	1	3	..	3	1	..	...	2	4	2	..	..	2	1	2	1	..	1	2	10	1	1	..	..	2	...	2	5	1	9	87
..	...	..	...	..	1	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	..	...	...	..	..	87A
..	...	..	...	..	...	..	..	...	...	1	...	..	..	...	1	1	...	..	...	..	...	..	..	..	..	..	..	...	1	..	1	87B
2	...	1	1	..	2	..	..	...	2	2	1	..	..	1	..	..	...	..	1	1	1	..	1	..	..	..	..	1	4	1	3	87C
2	...	..	...	..	...	1	..	...	...	...	1	..	..	1	..	..	1	..	...	..	...	..	..	..	..	2	...	1	..	.	4	87D
1	1	..	1	..	...	...	..	...	...	1	...	..	..	...	..	1	...	..	...	1	9	1	..	..	..	..	...	...	...	..	1	87E
..	...	..	...	..	...	..	..	...	...	1	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	88
..	...	..	...	..	...	..	..	...	1	...	...	..	..	1	..	..	...	..	...	1	2	..	..	..	..	..	...	...	1	...	1	89
..	...	..	...	..	...	..	..	...	...	...	...	..	..	1	..	..	...	..	...	1	...	..	..	..	..	..	...	...	1	...	1	89A
..	...	..	...	..	...	..	..	...	1	...	...	..	..	...	..	..	...	..	...	2	...	..	..	..	..	..	...	...	...	...	...	89B
89	154	56	101	41	208	73	46	106	121	118	136	83	82	174	84	49	77	23	108	32	203	59	91	32	55	77	95	89	167	132	502	
46	69	30	51	27	123	42	27	56	68	57	74	51	43	111	58	30	48	17	65	23	107	43	66	26	36	52	50	45	104	61	317	90-95
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	..	...	..	90
..	1	..	...	..	...	..	..	2	1	...	...	2	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	1	...	5	91
..	1	..	...	..	...	..	..	2	1	...	...	1	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	1	...	4	91A
..	...	..	...	..	...	..	..	...	...	...	...	1	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	91B
2	12	3	2	2	17	2	9	7	6	7	9	5	4	13	5	5	11	3	15	3	18	10	7	1	3	7	8	9	23	4	44	92
2	9	3	2	2	15	2	5	4	6	7	6	5	4	13	5	..	10	3	11	3	18	6	7	1	3	7	5	7	22	3	39	92A
.	3	..	...	..	2	..	4	3	...	...	3	..	..	...	..	5	1	..	4	..	...	4	..	..	..	..	3	2	1	1	5	92B
19	22	15	20	15	55	16	9	17	28	19	29	22	14	30	28	12	16	3	27	9	30	20	27	1	16	16	16	10	39	23	78	93
..	2	1	2	3	...	..	..	...	...	...	1	..	1	1	..	1	3	..	...	..	...	1	1	..	..	..	1	1	2	...	1	93A
..	...	..	...	..	3	..	..	...	...	...	...	..	1	...	..	..	...	..	...	..	...	1	..	..	..	..	...	..	1	1	..	93B
9	15	9	10	9	21	15	5	9	20	13	10	16	6	21	22	2	7	2	11	5	19	7	10	1	14	12	6	5	19	16	50	93C
10	5	5	8	3	31	1	4	8	8	6	18	6	6	8	6	9	6	1	16	4	11	11	16	..	2	4	9	4	17	6	27	93D
23	28	11	29	9	45	23	7	29	32	28	35	16	23	61	24	10	19	6	22	11	54	9	27	23	15	27	24	23	35	32	177	94
1	1	..	1	..	1	2	..	1	1	2	...	..	..	1	..	..	...	1	1	..	...	..	2	8	..	..	...	2	...	...	11	94A
22	24	8	27	9	39	18	6	26	25	22	30	13	21	57	23	7	17	5	18	10	45	8	25	15	13	18	19	18	34	27	156	94B
..	3	3	1	..	5	3	1	2	6	4	5	3	2	3	1	3	2	..	3	1	9	1	..	..	2	9	5	3	1	5	10	94C
2	6	1	...	1	6	1	2	1	1	3	1	6	2	7	1	3	2	5	1	..	5	4	5	1	2	2	2	3	6	2	13	95
2	...	..	...	..	...	..	1	...	...	1	1	..	1	2	..	1	...	1	...	...	...	..	..	..	1	1	1	2	1	...	4	95A
..	6	1	...	1	6	1	1	1	1	2	...	6	1	5	1	2	2	4	1	..	5	4	5	1	1	1	1	1	5	2	9	95B
1	1	..	1	..	...	..	..	...	1	...	1	1	..	...	..	1	...	..	...	..	...	..	..	..	..	..	...	...	...	...	4	96
38	81	21	40	10	71	20	14	38	47	56	48	25	32	48	24	11	25	6	32	7	80	13	19	4	13	18	42	39	51	65	139	97
1	1	1	1	..	2	..	1	1	...	1	1	..	1	2	..	3	2	..	1	1	1	..	..	..	1	1	...	...	2	1	3	98
..	...	..	...	..	...	..	2	...	...	1	...	..	..	...	..	2	...	..	...	..	...	1	..	..	..	..	...	...	...	1	3	99

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton
100. Diseases of the veins (varices, haemorrhoids, phlebitis, etc.)	31	..	..	1	2	...	..	2	..	...	1	...	...	..	..	...	1	..	..	2	2	1	...	...
101. Diseases of the lymphatic system (lymphangitis, etc.)	2	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
102. Idiopathic abnormalities of blood pressure	354	2	1	9	8	7	7	4	10	2	7	7	7	8	3	13	7	4	3	10	14	1	23	6
103. Other diseases of the circulatory system	2	..	..	..	...	...	1	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM																								
Total	1099	2	20	15	20	11	37	11	13	13	18	11	20	15	14	47	18	8	17	47	35	9	28	29
104. Diseases of the nasal fossae and annexa	6	..	..	..	...	...	..	..	..	...	...	...	...	1	..	...	...	..	..	...	...	..	1	...
105. Diseases of the larynx	7	..	..	..	...	...	..	1	..	1	...	...	...	..	..	...	1	..	..	...	2	..	...	...
105A. Croup	3	..	..	..	...	...	..	..	..	1	...	...	...	..	..	...	...	..	..	...	1	..	...	...
105B. Other diseases of the larynx	4	..	..	..	...	...	..	1	..	...	...	...	...	..	..	...	1	..	..	...	1	..	...	...
106. Bronchitis	42	..	..	3	2	...	..	1	1	...	...	...	...	2	..	...	1	..	1	...	1	..	2	1
106A. Acute	12	..	..	..	...	...	..	1	..	...	...	...	...	..	..	...	...	..	1	...	...	..	1	...
106B. Chronic	17	..	..	..	1	...	..	..	1	...	...	...	...	2	..	...	...	..	..	...	1	..	...	...
106C. Unspecified	13	..	..	3	1	...	..	..	..	...	...	...	...	..	..	...	1	..	..	...	...	..	1	1
107. Bronchopneumonia	468	1	9	5	8	6	23	3	5	9	6	...	12	2	4	21	10	5	6	24	14	2	12	11
107A. Bronchopneumonia	467	1	9	5	8	6	22	3	5	9	6	...	12	2	4	21	10	5	6	24	14	2	12	11
107B. Capillary bronchitis	1	..	..	..	...	...	1	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
108. Lobar pneumonia	259	..	5	2	3	1	3	4	3	2	5	6	8	3	1	12	3	3	4	8	10	4	8	8
109. Pneumonia, unspecified	142	..	4	1	2	1	5	1	3	1	3	2	...	2	4	4	2	..	2	6	4	2	1	1
110. Pleurisy	19	..	1	..	1	...	..	1	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
111. Congestion and haemorrhagic infarct of the lung, etc	46	..	..	..	1	1	..	..	..	...	2	...	...	4	3	4	...	..	..	3	1	1	3	1
111A. Pulmonary embolism and thrombosis	5	..	..	..	...	1	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	1	...	...
111B. Others under this title	41	..	..	..	1	...	..	..	..	...	2	...	...	4	3	4	...	..	..	3	1	..	3	1
112. Asthma	95	1	..	4	3	2	5	..	1	...	1	3	...	1	2	6	1	..	2	4	3	..	1	6
113. Pulmonary emphysema	1	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
114. Other diseases of the respiratory system (tuberculosis excepted)	14	.	1	..	...	...	1	..	..	...	1	...	...	..	..	...	...	..	2	2	...	..	...	1
114A. Chronic interstitial pneumonia including occupational diseases of the respiratory system	6	..	..	..	...	...	1	..	..	...	...	...	...	..	..	...	...	..	1	...	...	..	...	1
114C. Others under this title	8	..	1	..	...	...	..	..	..	...	1	...	...	..	..	...	...	..	1	2	...	..	...	...
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM																								
Total	651	1	14	10	25	7	34	7	4	13	7	6	4	7	6	14	12	..	4	23	35	9	7	19
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations)	52	..	1	1	...	...	2	..	..	4	...	1	...	..	..	2	1	..	1	2	1	..	2	3
115A. Diseases of the buccal cavity and annexa	18	..	..	..	...	...	..	..	..	1	...	...	...	..	..	1	...	..	..	2	1	..	..	1
115B. Diseases of the tonsils	21	..	1	1	...	...	2	..	..	2	...	1	...	..	..	1	1	..	..	...	...	..	2	...
115C. Others under this title	13	..	..	..	...	...	..	..	..	1	...	...	...	..	..	...	...	..	1	...	...	..	...	2
116. Diseases of the oesophagus	2	..	..	..	1	...	..	..	..	...	...	...	...	..	..	1	...	..	..	...	...	..	...	...
117. Ulcer of the stomach or duodenum	78	1	1	1	8	...	3	..	1	3	...	2	...	2	..	4	1	..	..	...	5	1	1	...
117A. Ulcer of the stomach	46	..	..	..	3	...	3	..	..	1	...	1	...	2	..	3	1	..	..	...	3	1	1	...
117B. Ulcer of the duodenum	32	1	1	1	5	...	...	..	1	2	...	1	...	..	..	1	..	..	..	...	2	..	...	...
118. Other diseases of the stomach	33	..	3	..	1	...	3	..	..	...	...	1	...	1	1	1	..	..	..	4	1	..	...	1
119. Diarrhoea and enteritis (under 2 years of age)	108	..	5	4	3	1	13	1	1	...	1	...	2	..	..	...	...	..	1	7	1	3	1	4
120. Diarrhoea and enteritis (2 years and over)	45	..	2	1	1	...	1	..	2	...	1	1	...	..	1	...	3	..	..	...	3	1	...	...
120A. Diarrhoea and enteritis	36	..	2	1	1	...	1	..	2	...	1	...	...	..	1	...	3	..	..	...	3	1	...	...

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
...	...	2	...	...	...	...	...	3	1	...	2	...	...	1	...	1	...	...	1	...	...	...	...	1	1	...	...	...	2	...	4	100
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	101
3	2	2	8	4	12	11	2	8	4	3	10	6	6	12	1	...	2	...	9	1	14	2	6	1	4	6	3	5	8	4	32	102
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	103
24	26	7	13	3	46	16	17	15	18	19	15	15	11	18	11	17	15	2	17	9	48	4	29	6	14	12	14	15	37	35	93	
...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	104
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	105
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	105A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	105B
...	1	2	...	...	...	...	2	2	1	2	...	...	...	...	1	...	4	...	1	...	2	...	1	...	1	1	...	1	...	2	3	106
...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	1	...	...	1	...	...	1	106A
...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	1	...	1	...	...	...	2	...	1	...	...	...	...	...	...	2	2	106B
...	1	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	106C
6	14	2	3	1	32	7	6	6	6	2	5	9	5	5	2	5	2	...	5	3	25	1	20	4	3	6	5	5	9	22	44	107
6	14	2	3	1	32	7	6	6	6	2	5	9	5	5	2	5	2	...	5	3	25	1	20	4	3	6	5	5	9	22	44	107A
11	6	2	6	...	6	6	5	3	5	7	3	2	3	7	3	3	6	...	4	5	6	1	1	...	4	1	5	7	14	7	14	108
2	2	...	1	1	3	2	4	...	2	6	3	2	...	3	4	5	1	2	3	...	8	1	5	2	2	4	1	1	6	1	14	109
3	...	...	...	...	1	...	...	2	1	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	1	...	...	...	1	...	4	110
1	...	1	1	...	1	1	...	...	...	1	1	...	1	2	1	1	...	...	...	...	3	...	...	...	1	...	...	...	1	1	4	111
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	111A
1	...	1	1	...	1	1	...	...	...	1	1	...	1	2	1	1	...	...	...	...	2	...	...	...	1	...	...	...	1	1	2	111B
1	3	...	2	1	2	...	...	2	3	1	1	2	2	...	...	2	1	...	4	...	2	1	2	...	2	...	2	1	4	2	6	112
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	113
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	2	114
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	114A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	114C
14	3	1	4	11	20	6	17	6	12	9	21	17	5	13	3	15	9	7	11	5	27	5	17	8	13	2	10	7	23	6	56	
1	1	...	...	...	2	...	...	1	...	1	4	2	...	...	...	...	2	...	...	1	4	...	2	1	3	...	...	...	1	1	4	115
...	...	...	...	...	1	...	...	1	...	...	1	1	...	...	...	...	1	...	...	...	2	...	1	...	2	...	...	...	...	1	1	115A
...	1	...	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	1	...	2	115B
1	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	1	...	...	...	1	...	...	1	1	...	...	...	...	...	1	115C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	116
...	...	...	...	1	2	...	1	1	...	2	4	1	2	1	...	...	1	1	1	2	5	...	2	...	...	...	2	...	3	1	11	117
...	...	...	...	...	2	...	1	1	...	1	3	1	2	1	...	...	1	1	1	1	3	...	1	...	...	...	2	...	2	...	3	117A
...	...	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	2	...	1	...	...	...	...	...	1	1	8	117B
1	...	...	...	...	1	1	2	...	1	...	1	...	...	...	...	3	...	...	2	1	1	...	...	...	...	...	...	1	1	...	...	118
1	...	...	...	6	1	2	8	1	...	1	2	2	...	1	...	4	3	1	1	1	3	3	5	5	3	...	1	2	1	...	2	119
...	...	...	2	1	2	...	3	...	1	1	2	3	...	...	...	1	...	...	2	...	3	...	...	1	...	...	2	...	2	...	2	120
...	...	...	1	1	2	...	3	...	1	1	...	1	...	...	...	1	...	...	2	...	3	...	...	1	...	...	2	...	...	...	1	120A

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton
120B. Ulceration of the intestines	9											1												
121. Appendicitis	62		2		1		6	2		1						1	1			2	3	2		2
122. Hernia, intestinal obstruction	87			1	3	1	1	1		1			2	2			3			2	9		1	3
122A. Hernia	50			1	2	1	1			1			2	1						1	6			2
122B. Intestinal obstruction	37				1			1						1			3			1	3		1	1
123. Other diseases of the intestines	13					1		1			1			1										2
124. Cirrhosis of the liver	52			2	1		1				1	1				1					4	1	1	2
124A. Specified as alcoholic	1						1																	
124B. Not specified as alcoholic	51			2	1						1	1				1					4	1	1	2
125. Other diseases of the liver	19						1			1					1	1			1		2			
125A. Yellow atrophy of the liver	5						1												1		1			
125B. Others under this title	14									1					1	1					1			
126. Biliary calculi	42				3		2			1				1		2	3			1	3	1		2
127. Other diseases of the gall-bladder and biliary passages	51				3	3		1		2	3				3	1			1	5	3		1	
128. Diseases of the pancreas	3																							
129. Peritonitis, cause not specified	4					1	1	1																
CLASS X.—DISEASES OF THE GENITO-URINARY SYSTEM																								
Total	1156	7	13	28	43	10	17	7	21	18	15	26	15	9	20	34	8	2	15	40	41	4	24	38
130. Acute nephritis (including unspecified, under 10 years of age)	26	2		2			3				1					1	1				1		1	
131. Chronic nephritis	606	2	7	17	27	4	9	2	12	5	11	11	10	7	14	18	2	1	10	26	16		14	19
132. Nephritis, unspecified (10 years and over)	218	1	5	3	4	1	1		3		2	8	2	2	3	3	4	1	2	9	11	1	5	5
133. Other diseases of the kidneys and ureters	39					2	2		1	1			2		1				1	2	2		1	3
134. Calculi of the urinary passages	13									1						1						1		
135. Diseases of the bladder (tumours excepted)	42		1	1	1			1				4				1			1		4	1	1	2
136. Diseases of the urethra, urinary abscess, etc.	6							1		1											1			
136A. Stricture of the urethra	1							1																
136B. Others under this title	5									1											1			
137. Diseases of the prostate	189	2		5	10	2	2	3	5	9	1	2	1		2	10	1		1	3	6		2	9
138. Diseases of the male genital organs (not specified as venereal)	4				1																	1		
139. Diseases of the female genital organs (not specified as venereal)	13					1				1		1												
139A. Of the ovary, Fallopian tube and parametrium	4					1																		
139B. Of the uterus	8									1		1												
139D. Others under this title	1																							
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE																								
Total	75		1	1	3		5	1	1				2	1		2	2			3	3	1	1	5
140. Abortion with septic conditions	5						2																	
140A. Abortion	3						2																	
140B. Self-induced abortion	2																							
141. Abortion without mention of septic conditions (haemorrhage included)	2																							
141A. Abortion	2																							
142. Ectopic gestation	2																					1		
142B. Without mention of septic conditions	2																					1		
143. Other accidents of pregnancy (haemorrhage excluded)	1																							
144. Puerperal haemorrhage	14		1	1			1										1			1	1		1	3

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
..	...	..	1	..	...	..	..	...	...	...	2	2	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	2	...	1	120B
..	1	..	...	1	3	1	3	1	...	1	1	2	..	2	..	4	1	1	...	..	1	..	2	..	2	..	...	...	5	...	7	121
2	...	...	...	..	5	1	..	2	3	1	5	6	1	1	1	1	1	1	2	..	4	..	..	1	2	..	...	...	7	..	10	122
1	...	...	...	..	4	..	..	2	3	...	..	2	..	1	..	..	...	..	1	..	4	..	..	..	1	..	...	...	5	..	8	122A
1	...	...	...	..	1	1	..	..	...	1	5	4	1	...	1	1	1	1	1	..	...	...	..	1	1	..	...	...	2	...	2	122B
..	...	..	2	..	...	..	..	...	1	1	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	1	...	..	..	1	123
1	1	..	...	2	1	1	..	...	1	1	...	..	1	2	..	2	...	..	...	..	2	1	3	..	2	2	1	...	...	1	12	124
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	124A
1	1	..	...	2	1	1	..	...	1	1	...	..	1	2	..	2	...	..	...	..	2	1	3	..	2	2	1	...	...	1	12	124B
1	...	...	...	..	1	..	..	...	...	...	1	1	..	1	1	..	...	1	1	..	1	1	..	..	..	..	...	...	...	1	1	125
..	...	...	...	..	1	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	1	...	125A
1	...	...	...	..	...	..	..	...	...	...	1	1	..	1	1	..	...	1	1	..	1	1	..	..	..	..	...	...	...	...	1	125B
3	...	1	...	..	...	..	..	...	2	...	1	..	1	3	..	..	...	..	2	..	...	..	2	..	..	..	1	1	2	2	2	126
2	...	...	...	..	2	..	..	...	2	...	...	..	..	2	1	..	1	2	...	..	2	..	1	..	1	..	2	3	1	...	3	127
1	...	...	...	..	...	..	..	...	1	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	128
1	...	...	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	..	129
33	20	13	21	2	48	11	17	10	30	21	24	26	20	30	12	18	18	15	17	20	33	17	17	3	10	12	29	23	35	2	94	
1	...	..	...	..	...	..	2	1	1	1	...	..	..	...	..	..	...	..	...	1	...	..	..	..	1	..	2	1	...	...	3	130
14	15	10	15	1	29	7	5	4	8	14	8	22	8	16	5	4	10	8	4	16	20	11	9	2	3	6	16	15	15	1	41	131
9	2	1	4	..	3	3	7	1	12	2	9	1	6	6	2	5	3	5	8	1	3	4	2	1	3	3	6	3	5	...	22	132
..	1	..	...	..	1	..	..	...	...	...	...	..	..	1	..	1	1	..	...	..	2	1	1	..	..	1	1	1	2	...	7	133
..	...	..	...	..	1	..	..	...	...	...	1	..	..	...	1	1	...	..	1	..	...	..	1	..	..	..	...	1	2	...	1	134
1	...	1	1	..	1	..	1	3	2	...	...	1	1	2	1	1	...	..	1	..	...	..	1	..	1	..	1	...	1	...	3	135
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	2	136
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	136A
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	2	136B
5	2	1	1	..	13	1	2	1	6	4	6	2	3	6	2	6	4	2	3	2	6	1	1	..	2	2	3	2	10	1	13	137
..	...	..	...	..	...	..	..	...	1	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	138
3	...	...	...	1	...	..	..	...	...	...	...	..	1	...	1	..	...	..	...	..	2	..	1	..	..	..	...	...	...	...	1	139
1	...	..	...	1	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	...	...	...	...	...	139A
2	...	..	...	..	...	..	..	...	...	...	...	..	1	...	..	..	...	..	...	..	1	..	1	..	..	..	...	...	...	...	1	139B
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	1	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	139D
2	1	..	...	2	...	..	2	...	1	...	1	2	..	1	..	1	1	1	2	1	4	..	6	..	2	1	...	...	2	1	9	
..	...	..	...	..	...	..	..	...	...	...	...	1	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	2	140
..	...	..	...	..	...	..	..	...	...	...	...	1	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	140A
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	2	140B
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	1	141
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	1	141A
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	1	..	...	..	..	..	..	..	...	...	...	...	...	142
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	1	..	...	..	..	..	..	..	...	...	...	...	...	142B
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	1	..	...	...	...	...	...	143
..	...	..	...	..	...	..	1	...	...	...	...	..	..	...	..	..	...	1	...	..	...	..	..	..	..	..	...	...	1	1	...	144

TABLE 39—CAUSES OF DEATH FOR COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton
144A. Placenta praevia	4	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1
144B. Other haemorrhages	10	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	2
145. Puerperal septicaemia (not specified as due to abortion)	10	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...
145A. Puerperal septicaemia and pyaemia	10	...	...	...	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...
146. Puerperal albuminuria and eclampsia	15	...	...	...	1	...	1	1	...	...	...	...	1	1	...	...	1	...	...	1	1	...	...	1
147. Other toxaemias of pregnancy	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
148. Puerperal phlegmasia alba dolens, embolism or sudden death (not specified as septic)	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
148A. Phlegmasia alba dolens and thrombosis	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
148B. Embolism	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
148C. Sudden death	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149. Other accidents of childbirth	5	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149A. Caesarean operation	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149C. Dystocia	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149D. Rupture of uterus in parturition	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149E. Others under this title	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
150. Other or unspecified condition of the puerperal state	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
150B. Others under this title	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE																								
Total	21	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	1
151. Carbuncle	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
152. Cellutis, acute abscess	10	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	1
153. Other diseases of the skin and annexa and of the cellular tissue	7	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF LOCOMOTION																								
Total	27	...	...	1	...	1	...	1	...	...	...	...	...	...	...	1	...	...	1	...	2	...	3	1
154. Osteomyelitis	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
155. Other diseases of the bones (tuberculosis excepted)	14	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...
156. Diseases of the joints and other organs of locomotion	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	1	1
156A. Of the joints (tuberculosis and rheumatism excepted)	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
156B. Of other organs of locomotion	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	1
CLASS XIV.—CONGENITAL MALFORMATIONS																								
Total	200	...	5	2	7	...	11	2	1	2	6	5	3	2	2	6	2	...	3	9	6	...	7	3
157. Congenital malformations (stillbirths excluded)	200	...	5	2	7	...	11	2	1	2	6	5	3	2	2	6	2	...	3	9	6	...	7	3
157A. Congenital hydrocephalus	29	...	1	...	2	...	3	...	...	...	1	1	1	1	1	1	1	...	2	1	...	...	2	...
157B. Spina bifida and meningocele	60	...	1	...	2	...	1	1	...	2	1	1	1	1	1	1	...	...	1	4	3	...	1	1
157C. Congenital malformations of the heart	85	...	3	1	3	...	4	1	1	...	4	3	1	...	...	2	1	...	...	3	2	...	4	...
157D. Monstrosities	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
157E. Others under this title	24	...	...	1	...	...	2	...	...	...	...	...	...	...	...	2	...	...	...	1	1	...	...	2

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	144A
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	...	144B
...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	1	145
...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	1	145A
...	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	146
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	147
2	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	1	1	2	...	3	...	...	...	...	...	1	...	3	148
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	148A
1	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	1	2	...	2	...	...	...	...	...	...	...	3	148B
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	148C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	149
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	149A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	149C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	149D
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	149E
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150B
2	...	...	...	...	1	...	1	...	1	...	...	1	...	1	1	...	...	...	1	...	2	...	1	...	...	...	...	...	1	...	4	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	2	151
1	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	152
1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	1	153
...	...	...	...	...	1	...	2	...	...	...	2	2	...	...	2	1	...	...	...	...	...	...	1	...	1	...	...	...	...	...	4	
...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	154
...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	155
...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	156
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	156A
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	156B
3	6	2	4	5	3	3	3	4	3	1	5	6	2	2	1	7	2	1	...	4	8	3	4	...	2	1	3	1	6	3	18	
3	6	2	4	5	3	3	3	4	3	1	5	6	2	2	1	7	2	1	...	4	8	3	4	...	2	1	3	1	6	3	18	157
...	1	1	...	1	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	1	2	...	...	...	...	...	...	...	1	...	1	157A
3	1	...	...	...	1	2	2	1	...	1	3	3	1	1	...	...	1	1	...	...	3	...	1	...	...	1	3	...	1	2	5	157B
...	3	1	3	4	2	...	...	1	3	...	2	2	1	1	...	4	1	...	...	3	3	3	2	...	1	...	...	...	3	...	9	157C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	157D
...	1	...	1	...	...	1	...	1	...	...	...	1	...	...	...	3	...	...	...	...	...	...	1	...	1	...	...	1	1	1	2	157E

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton
CLASS XV.—DISEASES OF EARLY INFANCY																								
Total	560	2	8	6	18	10	49	4	7	13	8	17	1	2	5	11	3	6	..	19	18	11	9	10
158. Congenital debility	58	..	..	..	2	1	6	..	2	1	1	2	..	..	2	4	2	..	..	3	1	2	..	1
159. Premature birth	323	..	4	5	11	7	26	4	4	6	6	10	..	2	2	6	1	6	..	11	11	5	4	4
160. Injury at birth	94	..	2	..	4	..	7	..	1	2	..	4	..	..	..	1	..	..	..	4	6	2	3	2
160A. With mention of caesarean operation	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
160B. Without mention of caesarean operation	93	..	2	..	4	..	6	..	1	2	..	4	..	..	..	1	..	..	..	4	6	2	3	2
161. Other diseases peculiar to early infancy (under 3 months)	85	2	2	1	1	2	10	..	..	4	1	1	1	..	1	..	..	..	..	1	..	2	2	3
161A. Atelectasis	32	1	1	1	..	1	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	2
161B. Icterus of the new-born	11	..	1	..	1	1	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	1	..	..
161D. Athrepsia	4	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
161E. Others, including lack of care	30	1	..	..	..	..	3	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	2	..
161F. No cause given, no doctor in attendance	8	..	..	..	..	..	4	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
CLASS XVI.—SENILITY																								
Total	236	..	3	4	14	3	1	4	3	4	7	6	2	2	3	11	9	..	1	5	7	1	2	4
162. Senility	236	.	3	4	14	3	1	4	3	4	7	6	2	2	3	11	9	..	1	5	7	1	2	4
162A. With senile dementia (70 years and over)	56	..	2	2	2	..	..	..	..	..	..	2	1	..	1	4	3	..	..	..	3	..	..	..
162B. Without senile dementia (70 years and over)	179	..	1	2	12	3	1	4	3	4	7	4	1	2	2	7	6	..	1	5	4	1	2	4
162C. Premature senility (55 years but under 70 years)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS																								
Total	1319	4	29	19	22	14	52	10	18	20	17	37	17	13	5	26	19	4	20	31	39	19	32	38
163–171. Suicides	187	..	3	2	4	1	6	1	3	2	4	10	1	2	1	4	3	..	3	3	5	2	5	6
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	29	..	..	..	..	..	..	..	1	1	..	1	..	1	..	2	..	..	..	1	1	..	1	1
164. Suicide by poisonous gas	10	..	1	..	1	..	..	..	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
165. Suicide by hanging or strangulation	49	..	1	2	1	..	2	..	..	..	2	3	..	..	1	..	..	..	..	..	3	..	..	3
166. Suicide by drowning	26	..	..	..	1	1	..	..	1	..	2	2	..	..	..	..	1	..	2	..	..	..	1	..
167. Suicide by firearms	51	.	1	..	1	..	1	1	1	..	..	2	..	..	..	1	1	..	..	2	1	1	2	2
168. Suicide by cutting or piercing instruments	9	..	..	..	..	..	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	1	..
169. Suicide by jumping from high places	4	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..
170. Suicide by crushing	5	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..
171. Suicide by other means	4	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
173–175. Homicides	19	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
173. Homicide by firearms	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
174. Homicide by cutting or piercing instruments	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
175. Homicide by other means	12	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
176–198. Other violent deaths	1113	4	26	17	18	13	46	9	14	18	13	27	16	11	4	22	16	4	17	28	33	17	27	32
176. Attack by venomous animals	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
177. Food poisoning	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
178. Accidental absorption of toxic gases	18	.	..	..	..	1	1	1	..	..	1	1	..	..	..	..	..	..	..	..	2	..	..	1
179. Other acute accidental poisonings (except by gas)	3	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
13	6	3	8	11	7	5	27	5	4	2	12	16	2	9	4	14	7	6	17	22	12	11	25	6	16	6	5	3	19	1	19	
2	...	..	1	2	...	..	4	1	...	...	...	1	..	1	..	3	...	..	3	..	1	2	2	..	1	1	1		2	..		158
7	4	2	6	3	5	3	14	3	2	2	5	13	1	6	4	7	4	6	8	13	6	7	17	4	9	2	3	1	9	1	11	159
3	1	..	...	1	2	..	6	...	1	...	5	..	1	1	..	4	3	..	1	6	2	1	3	..	3	1	..	2	4	..	5	160
..	...	..	...	..	..	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	..	...	...	...		160A
3	1	..	...	1	2	..	6	...	1	..	5	..	1	1	..	4	3	..	1	6	2	1	3	..	3	1	.	2	4	...	5	160B
1	1	1	1	5	...	2	3	1	1	...	2	2	..	1	..	...	...	..	5	3	3	1	3	2	3	2	1	..	4	..	3	161
	...	1	...	4	...	1	1	1	1	...	1	..	..	...	..	...	...	..	3	1	...	..	2	1	2	1	..	..	...		2	161A
	...	..	1	..	..	..	1	..	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	1	..	..	..	...	...		161B
	1	..	...	..	..	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	..	..	...	...	.	161D
1	...	...	...	1	...	1	1	..	...	...	1	2	..	1	..	..	...	..	...	2	3	1	..	..	..	1	1	..	4	..	1	161E
.	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	2	..	...	..	..	1	..	..	..	..	..	...		161F
6	6	5	3	..	3	..	3	7	10	3	5	7	5	2	3	2	4	3	7	1	5	4	3	4	1	3	5	1	12	4	13	
6	6	5	3	..	3	..	3	7	10	3	5	7	5	2	3	2	4	3	7	1	5	4	3	4	1	3	5	1	12	4	13	162
2	4	1	1	..	1	..	..	...	3	1	3	2	2	...	..	..	2	..	1	1	1	...	..	1	...	..	1	1	..	3	5	162A
4	1	4	2	..	2	..	3	7	7	2	2	5	3	2	3	2	2	3	6	..	4	4	3	3	1	3	4	..	12	1	8	162B
.	1	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	..	...	...	...	..	162C
20	23	10	24	13	26	19	26	24	24	30	27	17	15	22	18	6	16	16	13	9	38	6	56	36	37	10	19	30	38	27	119	
1	5	1	2	1	5	2	5	3	2	3	8	1	1	4	..	..	3	3	2	..	8	..	6	8	6	4	1	4	6	7	14	163–171
.	4	..	...	...	...	..	..	1	1	1	1	..	...	1	..	..	1	..	...	...	...	..	..	..	..	1	..	2	..	2	4	163
..	...	..	...	..	...	..	..	...	...	...	1	..	..	...	..	..	...	..	...	...	2	..	..	..	..	..	..	...	...	...	2	164
	1	1	1	..	2	..	1	...	1	...	4	..	1	1	..	..	2	..	2	..	3	..	2	..	2	1	1	1	...	1	3	165
	...	..	...	1	.	..	1	...	..	...	..	..	..	1	..	..	...	..	...	..	2	..	1	2	1	..		..	3	2	1	166
1	...	..	...	..	3	1	3	1	...	2	2	1	..	1	..	..	...	3	...	..	1	..	..	3	3	2	.	1	3	1	2	167
.	...	..	...	..	...	1	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	2	..	..	..	..	...	...	...	1	168
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	..	...	...	1	1	169
..	...	..	...	..	...	..	..	1	..	...	...	..	..	...	..	..	...	..	...	..	...	..	..	2	..	..	..	...	...	...		170
..	...	..	1	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	1	..	..	..	...	...	...	..	171
..	2	..	...	..	...	..	..	1	...	...	...	1	2	..	..	..	...	..	...	..	...	..	3	1	..	..	2	1	...	...	4	173–175
.	...	..	...	..	...	..	..	1	...	...	...	1	..	...	..	..	...	..	...	..	...	..	1	1	..	..	...	...	...	...	1	173
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	2	...	...	...		174
..	2	..	...	..	...	..	..	...	...	...	...	..	..	2	..	..	...	..	...	..	...	..	2	..	..	..	..	1	...	...	3	175
19	16	9	22	12	21	17	21	20	22	27	19	15	12	18	18	6	13	13	11	9	30	6	47	27	31	6	16	25	32	20	101	176–198
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	1	..	...	...	...	...	...	176
..	...	..	...	..	...	..	..	...	...	2	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	1	...	...	...	177
..	...	..	1	..	...	..	..	...	1	...	...	..	..	...	..	..	...	1	...	..	...	..	..	2	2	..	..	1	..	...	2	178
..	...	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	1	..	...	..	...	..	..	..	..	..	...	...	...	...	..	179

TABLE 39—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton
180. Conflagration	39	..	4	..	...	...	1	1	..	...	3	...	4	1	..	3	...	..	..	1	1	..	...	...
181. Accidental burns (conflagration excepted)	29	..	1	..	1	1	3	..	..	...	...	...	...	..	..	...	2	1	..	...	...	..	...	...
182. Accidental mechanical suffocation	30	..	..	..	3	...	..	..	1	...	...	1	1	..	..	...	1	..	..	...	1	..	...	...
183. Accidental drowning	198	1	8	2	1	4	17	..	1	2	...	7	...	2	..	2	...	2	2	7	2	7	1	12
184. Accidental injury by firearms	26	..	1	..	1	...	2	..	..	1	...	2	2	..	..	...	...	1	1	...	2	1	...	...
185. Accidental injury by cutting or piercing instruments	8	..	..	..	...	...	1	..	..	...	...	...	...	..	..	...	...	..	..	...	1	1	1	...
186. Accidental injury by fall, crushing or landslide	665	1	10	15	11	7	18	6	11	12	7	12	8	8	3	15	13	..	14	19	19	4	23	19
188. Injuries by animals	9	..	..	..	...	...	..	..	..	2	...	...	...	..	1	...	...	..	..	...	...	..	...	...
189. Hunger or thirst	4	..	1	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
190. Excessive cold	12	..	1	..	...	...	..	..	..	...	...	1	...	..	..	...	...	..	..	...	...	1	...	...
181. Excessive heat	18	1	..	..	...	...	2	..	..	1	1	...	...	..	..	...	...	..	..	...	1	..	1	...
192. Lighting	10	..	..	..	...	...	..	..	..	...	...	...	...	..	..	1	...	..	..	...	...	..	...	...
193. Accidents due to electric currents	5	..	..	..	...	...	..	..	..	...	1	...	...	..	..	...	...	..	..	...	1	..	...	...
194. Other accidents	28	..	..	..	1	...	1	1	1	...	...	1	1	..	..	1	...	..	..	1	1	3	1	...
194A. Foreign body	2	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
194B. Others under this title	26	..	..	..	1	...	1	1	1	...	...	1	1	..	..	1	...	..	..	1	1	3	1	...
195. Violent deaths of which the nature (accident, suicide, homicide) is unknown	7	1	..	..	...	...	..	..	..	...	...	1	...	..	..	...	...	..	..	...	1	..	...	...
CLASS XVIII.—ILL-DEFINED CAUSES OF DEATH																								
Total	33	1	1	..	1	...	14	..	1	...	...	...	...	1	..	...	...	..	..	...	...	2	1	...
199. Sudden death	9	1	1	..	1	...	..	..	..	...	...	...	...	1	..	...	...	..	..	...	...	..	...	...
200. Cause of death not specified or ill-defined	24	..	..	..	...	...	14	..	1	...	...	...	...	..	..	...	...	..	..	...	...	2	1	...

SPECIAL CLASSES OF ACCIDENTAL DEATHS BY COUNTIES

(Included also under the numbers

IN THE PROVINCE OF

A. Accidents in mines and quarries	21	..	..	..	...	...	6	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
B. Accidents caused by machines	21	..	..	..	...	...	..	..	..	...	...	...	2	..	..	...	1	..	..	2	1	..	1	...
C. Railway accidents	47	..	4	1	1	1	4	..	..	...	...	1	1	..	..	...	...	..	.	3	...	2	3	...
D. Street-car accidents	1	..	..	..	...	...	..	..	..	...	...	...	...	..	..	...	...	..	..	...	...	..	...	...
E. Automobile and motorcycle accidents	311	..	3	6	3	5	11	4	6	5	6	4	1	3	1	5	5	..	8	5	6	..	10	8
F. Other land transportation	29	..	..	..	2	1	1	1	..	1	...	1	...	1	..	...	1	..	..	3	..	1	...	...
G. Water transportation	61	..	5	..	...	...	6	..	..	1	...	...	...	..	..	...	...	..	1	1	...	3	1	4
H. Air transportation	17	1	..	..	...	1	..	..	..	...	...	...	2	..	..	...	...	..	..	4	...	..	...	...

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
..	...	..	...	...	...	1	1	...	1	1	...	..	..	...	5	..	1	2	...	2	...	1	3	..	1	..	...	...	...	...	1	180
1	...	..	...	2	3	..	..	...	...	...	1	1	..	...	1	..	1	..	...	..	1	..	1	..	3	..	1	1	1	...	2	181
1	1	..	1	..	...	1	1	1	1	1	1	..	..	...	..	..	1	..	...	..	...	..	3	3	1	..	1	1	...	..	3	182
2	5	..	4	3	...	4	5	3	6	3	2	4	2	1	5	2	2	4	1	1	10	1	9	8	7	..	2	10	2	1	9	183
1	...	..	...	1	2	1	..	...	...	1	1	2	..	...	...	...	...	1	1	..	...	..	...	...	..	1	...	...	...	...	..	184
..	...	..	...	...	...	..	1	...	...	...	...	..	..	...	...	...	...	..	1	..	1	..	...	...	...	..	...	...	1	...	...	185
12	9	8	12	4	14	8	10	13	11	16	12	7	9	15	6	4	6	3	7	5	14	4	28	11	15	4	10	10	27	16	80	186
1	1	..	...	..	...	..	..	...	1	1	...	..	..	...	1	..	...	1	...	..	...	..	..	..	..	..	...	...	...	...	...	188
..	...	..	...	..	...	..	1	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	...	...	...	1	...	189
1	...	..	...	1	...	..	1	...	...	1	...	1	..	...	..	..	...	1	...	1	...	..	2	..	..	..	...	...	...	...	...	190
..	...	..	...	..	1	..	..	1	...	...	1	..	..	...	..	..	1	..	...	..	1	..	..	..	..	..	...	...	1	1	4	191
..	...	..	...	..	1	..	..	...	...	1	...	..	..	1	..	..	...	..	...	..	...	..	..	2	..	1	2	1	...	...	...	192
..	...	..	...	1	...	1	..	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	...	...	...	...	...	193
..	...	1	1	..	...	1	1	2	1	...	1	..	1	1	..	..	...	..	1	..	1	..	..	1	1	..	...	...	...	1	...	194
..	...	..	...	..	...	..	1	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	..	..	..	..	...	...	...	...	...	194A
..	...	1	1	..	...	1	..	2	1	...	1	..	1	1	..	..	...	..	1	..	...	..	..	1	1	..	...	...	...	1	...	194B
..	...	..	3	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	1	..	..	..	...	...	...	...	...	195
..	1	..	...	..	...	1	..	...	1	1	1	1	..	...	..	..	1	1	...	..	2	..	..	1	..	..	...	...	...	...	...	
..	...	..	...	..	...	..	..	...	1	1	1	1	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	...	199
..	1	..	...	..	...	..	..	...	...	...	...	..	..	...	..	..	1	1	...	..	2	..	..	1	..	..	...	...	...	...	...	200

(EXCLUSIVE OF CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)

of the International List above)

ONTARIO, 1939

...	...	..	..	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	10	3	2	..	...	...	...	...	...	A
...	...	1	..	..	...	..	..	1	...	...	1	..	..	...	..	..	...	..	2	..	1	..	1	1	1	..	...	...	3	1	1	B
1	1	1	1	..	3	1	..	1	2	...	...	1	1	...	..	..	...	..	...	..	...	..	3	3	1	..	...	2	...	2	2	C
...	...	..	..	..	...	..	..	...	...	...	...	..	..	...	..	..	...	..	...	..	...	..	..	..	..	..	...	...	...	...	1	D
2	3	5	9	2	6	3	9	8	3	10	8	4	6	5	9	1	2	2	4	2	9	4	10	2	8	1	5	6	7	6	45	E
...	1	..	..	1	1	..	1	1	...	1	...	1	1	1	..	..	1	..	1	1	...	..	..	..	..	..	1	...	2	...	1	F
1	2	..	1	1	...	1	4	2	5	1	...	1	..	...	..	1	2	1	...	..	4	..	2	3	3	..	1	...	...	...	3	G
...	...	..	1	..	1	1	..	...	...	...	...	..	..	...	..	..	...	..	...	..	1	..	3	..	..	..	...	...	2	...	...	H

TABLE 40—CAUSES OF DEATH FOR TOWNS AND VILLAGES OF

CAUSES OF DEATH	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
DEATHS—ALL CAUSES. **Total**	**2,516**	**100**	**89**	**199**	**106**	**106**	**56**	**39**	**72**	**37**
CLASS I.—INFECTIOUS AND PARASITIC DISEASES										
Total	147	....	3	7	7	5	1	3	4	2
1. Typhoid fever	1	....	....	1	....	....	....	....	....	....
2. Paratyphoid fever	1	....	....	....	....	....	....	....	....	....
5. Undulant fever	1	....	....	....	....	....	....	....	....	....
8. Scarlet fever	3	....	....	....	....	....	....	....	....	....
9. Whooping-cough	5	....	....	....	....	....	....	....	....	....
10. Diphtheria	1	....	....	....	1	....	....	....	....	....
11. Influenza	68	....	2	1	5	2	....	1	3	....
11A. Sole cause	2	....	....	....	1	....	....	....	....	....
11B. With bronchitis	1	....	....	....	....	....	....	....	1	....
11C. With pneumonia	40	....	1	1	4	1	....	1	2	....
11D. With other diseases of the respiratory system	5	....	....	....	....	....	....	....	....	....
11E. With intestinal complications	3	....	....	....	....	....	....	....	....	....
11F. With other causes	17	....	1	....	....	1	....	....	....	....
13. Dysentery	1	....	....	....	....	....	....	....	....	....
15. Erysipelas	1	....	....	....	....	1	....	....	....	....
16. Poliomyelitis and polioencephalitis (acute)	1	....	....	....	....	....	....	....	....	1
17. Lethargic or epidemic encephalitis	2	....	1	....	....	....	....	....	....	....
18. Epidemic cerebrospinal meningitis	1	....	....	....	....	....	....	....	....	....
22. Tetanus	1	....	....	1	....	....	....	....	....	....
23–32. Tuberculosis	40	....	....	4	....	2	1	2	....	....
23. Tuberculosis of the respiratory system	35	....	....	3	....	2	1	1	....	....
24. Tuberculosis of the meninges and central nervous system	2	....	....	1	....	....	....	....	....	....
25. Tuberculosis of the intestines and peritoneum	1	....	....	....	....	....	....	1	....	....
27. Tuberculosis of the bones and joints (vertebral column excepted)	1	....	....	....	....	....	....	....	....	....
27A. Of the bones	1	....	....	....	....	....	....	....	....	....
32. Disseminated tuberculosis	1	....	....	....	....	....	....	....	....	....
32C. Not specified	1	....	....	....	....	....	....	....	....	....
34. Syphilis	13	....	....	....	....	....	....	....	1	1
35. Gonococcus infection and other venereal diseases	1	....	....	....	....	....	....	....	....	....
36. Purulent infection, septicaemia (non-puerperal)	4	....	....	....	1	....	....	....	....	....
44. Other infectious or parasitic diseases	2	....	....	....	....	....	....	....	....	....
44C. Others under this title	2	....	....	....	....	....	....	....	....	....
CLASS II.—CANCER AND OTHER TUMOURS										
Total	271	7	9	28	9	13	6	1	10	4
45–53. Cancer and other malignant tumours	252	7	7	27	9	11	6	1	9	4
45. Cancer of the buccal cavity and pharynx	7	....	1	1	2	....	....	....	1	....
46. Cancer of the digestive tract and peritoneum	130	5	1	12	2	5	2	....	3	1
46A. Of the oesophagus	7	....	....	1	....	....	....	....	....	....
46B. Of the stomach and duodenum	40	1	....	2	1	3	1	....	1	....
46C. Of the rectum	25	....	....	1	1	....	....	....	....	1
46D. Of the liver and biliary ducts	10	....	1	2	....	....	1	....	....	....
46E. Of the pancreas	6	1	....	2	....	1	....	....	....	....
46F. Of the peritoneum	2	....	....	1	....	....	....	....	....	....
46G. Of other organs	40	3	....	3	....	1	....	....	2	....
47. Cancer of the respiratory organs	9	....	....	....	....	....	....	....	1	....
47A. Of the larynx	1	....	....	....	....	....	....	....	....	....
47B. Of the lung	6	....	....	....	....	....	....	....	1	....
47C. Of the mediastinum	1	....	....	....	....	....	....	....	....	....
47D. Of other organs of the respiratory system	1	....	....	....	....	....	....	....	....	....
48. Cancer of the uterus	17	1	1	2	....	....	....	1	1	1
48A. Of the uterus	9	....	1	1	....	....	....	....	....	....
48B. Of the cervix uteri	8	1	....	1	....	....	....	1	1	1
49. Cancer of other female genital organs	10	....	....	1	....	1	2	....	1	....
50. Cancer of the breast	31	1	3	3	3	2	....	....	1	....
51. Cancer of the male genito-urinary organs	20	....	....	4	....	....	2	....	....	1
51A. Of the bladder	4	....	....	1	....	....	1	....	....	....
51B. Of the kidney	5	....	....	2	....	....	....	....	....	....
51C. Of the prostate gland	9	....	....	1	....	....	....	....	....	1
51D. Of the testicles and annexa	2	....	....	....	....	....	1	....	....	....
52. Cancer of the skin	4	....	1	....	....	....	....	....	....	....
53. Cancer of other or unspecified organs	24	....	....	4	2	3	....	....	1	1
53C. Of the g,andular system	7	....	....	2	....	....	....	....	1	1
53D. Of the female urinary organs	6	....	....	....	....	1	....	....	....	....
53E. Of the bones and joints	4	....	....	2	1	1	....	....	....	....
53F. Of the brain	1	....	....	....	....	....	....	....	....	....

5,000 TO 10,000 POPULATION IN THE PROVINCE OF ONTARIO, 1939

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
79	**78**	**102**	**50**	**146**	**80**	**40**	**147**	**178**	**34**	**35**	**86**	**18**	**136**	**107**	**31**	**45**	**55**	**49**	**41**	**175**	
11	12	8	...	6	6	1	23	7	3	2	9	1	9	5	2	....	....	....	2	8	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	2
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....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	8
1	1	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....	9
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10
5	8	3	....	6	2	....	4	4	2	1	7	....	2	4	1	....	....	....	2	3	11
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11B
3	7	1	....	3	1	....	3	1	1	1	3	....	1	2	....	....	....	....	....	3	11C
1	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	2	....	11D
....	....	1	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	11E
1	1	1	....	1	1	....	1	3	1	....	3	....	1	....	1	....	....	....	....	....	11F
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	13
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1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	22
2	2	3	....	....	1	....	15	....	1	1	1	....	2	....	1	....	....	....	....	2	23-32
2	2	2	....	....	....	....	15	....	1	1	1	....	2	....	1	....	....	....	....	1	23
....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	24
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	25
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	27
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	27A
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	32
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	32C
1	....	1	....	....	2	1	2	2	....	....	....	....	1	....	....	....	....	....	....	1	34
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35
....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	36
....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	44
....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	44C
7	10	18	4	17	7	4	10	23	4	7	8	2	15	17	5	3	2	4	4	13	
6	9	18	4	15	7	4	9	21	3	7	7	2	13	16	5	3	2	4	4	12	45-53
....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	45
4	2	12	1	12	4	4	5	10	1	6	2	2	7	12	2	2	1	3	1	6	46
....	1	1	....	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	1	46A
1	1	5	1	5	1	2	2	1	....	1	....	....	4	3	....	....	....	1	....	3	46B
....	....	4	....	1	....	....	2	8	....	....	1	....	....	2	....	....	1	1	1	1	46C
....	....	....	....	1	....	....	....	....	....	1	....	....	....	3	....	....	....	1	....	....	46D
....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	46E
....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	46F
3	....	2	....	4	3	2	....	1	....	3	1	....	3	4	2	2	....	....	....	1	46G
....	1	2	....	....	....	....	....	2	....	....	1	....	2	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	47A
....	1	2	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	47B
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	47C
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	47D
....	1	1	....	1	1	....	2	....	....	....	....	....	1	....	1	....	....	....	....	2	48
....	1	1	....	....	1	....	1	....	....	....	....	....	....	....	1	....	....	....	....	2	48A
....	....	....	....	1	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	48B
....	1	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	1	49
....	1	1	....	....	1	....	1	....	1	....	2	....	2	3	2	....	....	....	2	2	50
....	2	2	....	....	1	....	....	4	....	....	1	....	....	1	....	....	1	....	1	....	51
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	51A
....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	51B
....	2	1	....	....	1	....	....	2	....	....	1	....	....	....	....	....	....	....	....	....	51C
....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	51D
....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	1	52
2	1	....	2	1	....	....	1	2	1	....	1	....	1	....	....	1	....	....	....	....	53
....	....	....	1	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	53C
1	....	....	1	....	....	....	....	1	....	....	....	....	1	....	....	1	....	....	....	....	53D
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	53E
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	53F

TABLE 40—CAUSES OF DEATH FOR TOWNS AND VILLAGES OF

CAUSES OF DEATH	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
53G. Of the spine and spinal cord	1	....	....	....	....	....	....	....	....	....
53H. Of the neck	1	....	....	....	....	....	....	....	....	....
53I. Of the abdomen	2	....	....	....	1	....	....	....	....	....
53J. Of other specified organs	1	....	....	....	....	....	....	....	....	....
53K. Multple cancer	1	....	....	....	....	1	....	....	....	....
54. Non-malignant tumours	18	....	2	1	....	2	....	....	1	....
54A. Of the ovary	3	....	....	....	....	....	....	....	1	....
54B. Of the uterus	3	....	....	1	....	....	....	....	....	....
54D. Of the brain	4	....	....	....	....	1	....	....	....	....
54E. Of the thyroid gland	5	....	2	....	....	1	....	....	....	....
54F. Of the prostate gland	1	....	....	....	....	....	....	....	....	....
54G. Of other or unspecified sites	2	....	....	....	....	....	....	....	....	....
55. Tumours, nature not specified	1	....	....	....	....	....	....	....	....	....
55G. Of other or unspecified sites	1	....	....	....	....	....	....	....	....	....
CLASS III.—RHEUMATIC DISEASES, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS AND OTHER GENERAL DISEASES										
Total	91	5	3	5	5	4	1	1	1	....
56. Acute rheumatic fever	7	....	....	....	....	1	1	....	....	....
57. Chronic rheumatism, osteo-arthritis	5	....	1	....	....	....	....	....	....	....
59. Diabetes mellitus	52	2	1	4	5	1	....	1	....	....
66. Diseases of the thyroid and parathyroid glands	21	1	1	1	....	2	....	....	....	....
66A. Simple goitre	6	1	....	....	....	1	....	....	....	....
66B. Exophthalmic goitre	14	....	....	1	....	1	....	....	....	....
66C. Myxoedema, cretinism	1	....	1	....	....	....	....	....	....	....
67. Diseases of the thymus gland	3	1	....	....	....	....	....	....	....	....
68. Diseases of the adrenals (Addison's disease)	1	1	....	....	....	....	....	....	....	....
69. Other general diseases	2	....	....	....	....	....	....	....	1	....
69A. Fatty or amyloid degeneration	1	....	....	....	....	....	....	....	1	....
69C. Others under this title	1	....	....	....	....	....	....	....	....	....
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS										
Total	40	4	2	3	1	2	1	....	3	....
70. Haemorrhagic conditions	2	....	1	....	....	....	....	....	....	....
70A. Simple purpura	2	....	1	....	....	....	....	....	....	....
71. Anaemia	24	2	1	2	....	2	....	....	3	....
71A. Pernicious anaemia	20	1	1	2	....	2	....	....	3	....
71B. Others under this title	4	1	....	....	....	....	....	....	....	....
72. Leukaemia and aleukaemia	12	2	....	1	1	....	1	....	....	....
72A. Leukaemia	7	2	....	....	....	....	....	....	....	....
72B. Aleukaemia (Hodgkin's disease)	5	....	....	1	1	....	1	....	....	....
74. Other diseases of the blood and blood-forming organs	2	....	....	....	....	....	....	....	....	....
CLASS V.—CHRONIC POISONINGS AND INTOXICATIONS										
Total	7	....	....	....	....	1	....	....	....	....
75. Alcoholism	4	....	....	....	....	1	....	....	....	....
75A. Delirium tremens	1	....	....	....	....	....	....	....	....	....
75B. Other alcoholic intoxications	3	....	....	....	....	1	....	....	....	....
76. Chronic poisoning, by other organic substances	2	....	....	....	....	....	....	....	....	....
76A. Chronic morphinism	2	....	....	....	....	....	....	....	....	....
77. Chronic poisoning by mineral substances	1	....	....	....	....	....	....	....	....	....
77C. Others under this title	1	....	....	....	....	....	....	....	....	....
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE										
Total	185	2	1	6	6	3	11	2	2	2
78. Encephalitis (non-epidemic)	2	....	....	....	....	....	....	....	....	....
80. Progressive locomotor ataxia (tabes dorsalis)	2	....	....	....	....	....	....	....	1	....
81. Other diseases of the spinal cord	5	....	....	....	....	....	1	....	1	....
82. Cerebral haemorrhage, cerebral embolism and thrombosis	51	....	1	4	5	3	7	1	....	2
82A. Cerebral haemorrhage	38	....	1	4	4	3	6	1	....	2
82B. Cerebral embolism and thrombosis	5	....	....	....	....	....	....	....	....	....
82C. Softening of the brain	1	....	....	....	....	....	1	....	....	....
82D. Hemiplegia and other paralysis, cause not specified	7	....	....	....	1	....	....	....	....	....

5,000 TO 10,000 POPULATION IN THE PROVINCE OF ONTARIO, 1939—Continued

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	53G
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	53H
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	53I
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	53J
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	53K
1	1	....	....	2	....	....	1	2	1	....	1	....	1	1	....	....	....	....	....	1	54
....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	54A
1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	54B
....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	54D
....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	54E
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	54F
....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	54G
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	55
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	55G
4	1	....	2	4	5	2	1	14	3	2	5	....	5	4	1	1	3	2	3	4	
....	....	....	....	....	2	....	....	....	1	....	....	....	....	....	....	1	1	....	....	....	56
....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	1	....	....	1	57
3	....	....	1	2	2	2	1	9	2	....	3	....	3	1	1	....	1	2	2	3	59
1	1	....	1	2	1	....	....	3	....	2	2	....	....	2	....	....	....	....	1	....	66
1	....	....	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	66A
....	1	....	1	1	1	....	....	2	....	1	2	....	....	2	....	....	....	....	1	....	66B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	66C
....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	67
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	68
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	69
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	69A
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	69C
....	2	1	1	5	....	1	3	2	....	....	1	....	4	1	1	....	1	1	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	70
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	70A
....	2	....	....	2	....	....	1	2	....	....	1	....	3	1	....	....	1	1	....	....	71
....	2	....	....	1	....	....	1	1	....	....	1	....	3	1	....	....	....	1	....	....	71A
....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	71B
....	....	1	1	2	....	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	72
....	....	....	1	2	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	72A
....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	72B
....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	74
....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	4	
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....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	75A
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....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	76A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	77
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	77C
2	....	3	3	7	4	2	52	6	....	1	4	....	4	6	2	1	3	2	1	47	
1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	78
....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	80
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	81
....	....	1	1	3	2	1	1	3	....	1	....	....	2	3	2	....	3	2	....	3	82
....	....	1	1	3	2	....	1	3	....	1	....	....	....	3	....	....	1	1	....	....	82A
....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	....	....	....	1	....	1	82B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	82C
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	....	....	2	82D

TABLE 40—CAUSES OF DEATH FOR TOWNS AND VILLAGES OF

CAUSES OF DEATH	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
83. General paralysis of the insane	18	....	....	1	....	....	....	....	....	....
84. Dementia praecox and other psychoses	73	....	....	....	....	....	....	....	....	....
84A. Dementia praecox	61	....	....	....	....	....	....	....	....	....
84B. Other psychoses	12	....	....	....	....	....	....	....	....	....
85. Epilepsy	4	....	....	....	....	....	1	....	....	....
86. Convulsions (under 5 years of age)	2	....	....	....	....	....	....	....	....	....
87. Other diseases of the nervous system	19	1	....	....	1	....	....	1	....	....
87A. Chorea	1	....	....	....	....	....	....	1	....	....
87B. Neuralgia and neuritis	1	....	....	....	....	....	....	....	....	....
87C. Paralysis agitans	8	1	....	....	....	....	....	....	....	....
87D. Sclerosis (other than of the spinal cord)	3	....	....	....	....	....	....	....	....	....
87E. Others under this title	6	....	....	....	1	....	....	....	....	....
88. Diseases of the organs of vision	1	....	....	....	....	....	1	....	....	....
89. Diseases of the ear and mastoid process	8	1	....	1	....	....	1	....	....	....
89A. Otitis	6	1	....	....	....	....	1	....	....	....
89B. Diseases of the mastoid process	2	....	....	1	....	....	....	....	....	....
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM										
Total	884	43	44	69	44	31	22	14	27	10
90 95. Diseases of the heart	491	23	26	25	30	17	16	11	11	7
91. Acute endocarditis	9	2	....	....	....	....	....	1	....	....
91A. Endocarditis specified as acute	3	1	....	....	....	....	....	....	....	....
91B. Endocarditis unspecified (under 45 years of age)	6	1	....	....	....	....	....	1	....	....
92. Chronic endocarditis, valvular diseases	58	3	4	1	4	3	2	2	3	1
92A. Endocarditis specified as chronic and other valvular diseases	46	3	4	....	4	3	1	1	3	1
95B. Endocarditis, unspecified (45 years and over)	12	....	....	1	....	....	1	1	....	....
93. Diseases of the myocardium	150	5	5	8	10	7	8	2	4	1
93A. Acute myocarditis	2	....	....	....	....	....	....	....	1	....
93B. Myocarditis, unspecified (under 45 years of age)	4	....	....	1	....	....	....	....	....	....
93B. Chronic myocarditis and myocardial degeneration	81	4	4	4	9	3	4	....	3	1
93D. Myocarditis, unspecified (45 years and over)	63	1	1	3	1	4	4	2	....	....
94. Diseases of the coronary arteries and angina pectoris	258	13	17	15	15	7	6	5	4	5
94A. Diseases of the coronary arteries	6	....	....	....	....	....	....	....	....	....
94B. Embolism and thrombosis of the coronary arteries	220	13	16	15	11	7	6	2	4	2
94C. Angina pectoris	32	....	1	....	4	....	....	3	....	3
95. Other diseases of the heart	16	....	....	1	1	....	....	1	....	....
95A. Functional diseases of the heart	4	....	....	....	....	....	....	....	....	....
95B. Other and unspecified	12	....	....	1	1	....	....	1	....	....
96. Aneurysm (except of the heart)	3	....	1	....	....	....	....	....	....	....
97. Arteriosclerosis (of coronary arteries excepted)	340	18	13	42	13	13	3	3	16	3
98. Gangrene	7	1	1	....	....	1	....	....	....	....
99. Other diseases of the arteries	1	....	....	....	....	....	....	....	....	....
100. Diseases of the veins (varices, haemorrhoids, phlebitis, etc.)	5	....	....	....	....	....	1	....	....	....
102. Idiopathic abnormalities of blood pressure	37	1	3	2	1	....	2	....	....	....
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM										
Total	175	9	3	11	13	6	3	4	5	2
104. Diseases of the nasal fossae and annexa	2	....	....	....	....	....	....	....	....	....
105. Diseases of the larynx	2	1	....	....	....	....	....	....	....	....
105A. Croup	1	1	....	....	....	....	....	....	....	....
105B. Other diseases of the larynx	1	....	....	....	....	....	....	....	....	....
106. Bronchitis	4	1	....	....	....	1	1	1	....	....
106B. Chronic	1	1	....	....	....	....	....	....	....	....
106C. Unspecified	3	....	....	....	....	1	1	1	....	....
107. Bronchopneumonia	76	3	1	5	1	4	....	....	4	1
107A. Bronchopneumonia	76	3	1	5	1	4	....	....	4	1
108. Lobar pneumonia	52	1	1	3	7	....	2	1	....	1
109. Pneumonia, unspecified	15	1	....	1	1	1	....	1	....	....
110. Pleurisy	3	....	....	2	....	....	....	....	....	....
111. Congestion and haemorrhagic infarct of the lung, etc.	9	1	....	....	3	....	....	....	....	....
111B. Others under this title	9	1	....	....	3	....	....	....	....	....
112. Asthma	9	1	....	....	1	....	....	1	1	....
114. Other diseases of the respiratory system (tuberculosis excepted)	3	....	1	....	....	....	....	....	....	....
114C. Others under this title	3	....	1	....	....	....	....	....	....	....

5,000 TO 10,000 POPULATION IN THE PROVINCE OF ONTARIO, 1939—Continued

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	8	83
...	...	...	...	...	...	...	41	1	...	...	...	...	...	...	...	...	...	...	...	31	84
...	...	...	...	...	...	...	39	...	...	...	...	...	...	...	...	...	...	...	...	22	84A
...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	9	84B
...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	85
1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	86
...	...	...	1	2	1	1	1	...	...	...	2	...	1	3	...	1	...	...	...	3	87
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	87A
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	87B
...	...	...	1	1	1	...	...	...	...	...	2	...	1	...	...	1	...	...	...	...	87C
...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	87D
...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	3	87E
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	88
...	...	1	...	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	89
...	...	1	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	89A
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	89B
16	26	27	21	44	35	22	30	59	14	14	26	7	47	37	15	19	20	30	20	51	
9	18	17	12	26	15	14	15	24	8	9	15	5	18	20	13	12	15	17	12	31	90–95
1	...	1	...	...	...	1	...	...	...	...	...	...	1	1	1	...	...	...	...	...	91
1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	91A
...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	91B
1	...	1	1	4	4	3	2	4	1	2	3	...	1	3	1	1	1	...	...	2	92
1	...	1	1	3	3	2	2	3	1	2	...	...	1	2	...	1	1	...	...	2	92A
...	...	...	...	1	1	1	...	1	...	...	3	...	...	1	1	...	...	...	...	...	92B
2	10	5	3	11	4	3	9	5	2	1	3	...	7	2	2	4	3	7	1	16	93
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	93A
...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	93B
...	4	2	1	4	1	1	4	3	1	1	1	...	1	1	1	1	3	3	1	15	93C
2	6	2	2	6	3	2	5	1	1	...	2	...	6	1	1	3	...	3	...	1	93D
5	8	9	8	10	7	6	4	12	5	6	8	4	9	14	8	7	8	9	11	13	94
...	1	...	...	...	...	...	1	...	...	2	...	...	...	2	...	...	...	...	...	...	94A
1	6	8	7	8	6	5	3	11	5	4	7	3	9	9	8	6	7	8	11	12	94B
4	1	1	1	2	1	1	...	1	...	...	1	1	...	3	...	1	1	1	...	1	94C
...	...	1	...	1	...	1	...	3	...	...	1	1	...	...	1	...	3	1	...	...	95
...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	1	...	...	...	...	...	95A
...	...	1	...	1	...	...	...	1	...	...	1	1	...	...	...	...	3	1	...	...	95B
...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	96
6	6	9	8	14	19	6	12	29	4	5	10	1	23	16	2	6	3	11	6	20	97
1	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	98
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	99
...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...	100
...	2	1	...	2	...	1	2	4	2	...	1	1	6	1	...	1	2	1	1	...	102
9	6	4	3	14	2	3	11	7	3	1	7	...	9	4	1	2	4	3	3	23	
...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	104
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	105
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	105A
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	105B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	106
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	106B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	106C
4	...	...	...	6	...	2	7	3	2	...	3	...	3	2	...	2	3	1	2	17	107
4	...	...	...	6	...	2	7	3	2	...	3	...	3	2	...	2	3	1	2	17	107A
2	2	1	2	5	1	1	4	2	...	...	2	...	6	1	1	...	...	1	1	4	108
1	3	1	1	1	...	...	...	1	...	...	...	...	...	...	...	...	1	1	...	...	109
...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	110
...	...	...	...	2	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	111
...	...	...	...	2	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	111B
1	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	112
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	114
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	114C

TABLE 40—CAUSES OF DEATH FOR TOWNS AND VILLAGES OF

CAUSES OF DEATH	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM										
Total	140	10	5	7	3	9	....	1	5	4
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations)	14	1	1	....	1	1	....	....	....	....
115A. Diseases of the buccal cavity and annexa	5	....	1	....	....	1	....	....	....	....
115B. Diseases of the tonsils	3	....	....	....	....	....	....	....	....	....
115C. Others under this title	6	1	....	....	1	....	....	....	....	....
117. Ulcer of the stomach or duodenum	17	1	1	1	1	1	....	....	2	1
117A. Ulcer of the stomach	9	....	....	1	1	....	....	....	1	1
117B. Ulcer of the duodenum	8	1	1	....	....	1	....	....	1	....
119. Diarrhoea and enteritis (under 2 years of age)	11	1	....	....	....	....	....	....	....	1
120. Diarrhoea and enteritis (2 years and over)	5	....	....	....	....	....	....	....	1	....
120A. Diarrhoea and enteritis	5	....	....	....	....	....	....	....	1	....
121. Appendicitis	26	4	1	3	....	3	....	....	....	....
122. Hernia, intestinal obstruction	30	1	1	....	....	3	....	....	....	1
122A. Hernia	9	....	....	....	....	1	....	....	....	....
122B. Intestinal obstruction	21	1	1	....	....	2	....	....	....	1
123. Other diseases of the intestines	6	....	....	....	....	....	....	....	1	....
124. Cirrhosis of the liver	9	....	....	....	....	....	....	....	....	....
124B. Not specified as alcoholic	9	....	....	....	....	....	....	....	....	....
125. Other diseases of the liver	1	....	....	1	....	....	....	....	....	....
125B. Others under this title	1	....	....	1	....	....	....	....	....	....
126. Biliary calculi	7	1	....	....	1	....	....	....	....	....
127. Other diseases of the gall-bladder and biliary passages	9	1	....	2	....	1	....	1	....	....
128. Diseases of the pancreas	2	....	1	....	....	....	....	....	....	....
129. Peritonitis, cause not specified	3	....	....	....	....	....	....	....	1	1
CLASS X.—DISEASES OF THE GENITO-URINARY SYSTEM										
Total	193	5	9	19	6	15	7	2	6	4
130. Acute nephritis (including unspecified, under 10 years of age)	4	....	....	....	....	1	....	....	....	....
131. Chronic nephritis	101	2	3	11	2	7	4	1	5	3
132. Nephritis, unspecified (10 years and over)	34	2	1	2	2	1	2	1	1	....
133. Other diseases of the kidneys and ureters	7	....	2	1	....	....	....	....	....	....
134. Calculi of the urinary passages	2	....	....	2	....	....	....	....	....	....
135. Diseases of the bladder (tumours excepted)	9	....	....	....	....	1	....	....	....	....
136. Diseases of the urethra, urinary abscess, etc.	1	....	....	....	....	....	....	....	....	....
136A. Stricture of the urethra	1	....	....	....	....	....	....	....	....	....
137. Diseases of the prostate	27	....	2	2	2	5	1	....	....	1
138. Diseases of the male genital organs (not specified as venereal)	2	1	....	....	....	....	....	....	....	....
139. Diseases of the female genital organs (not specified as venereal)	6	....	1	1	....	....	....	....	....	....
139A. Of the ovary, Fallopian tube and parametrium	3	....	....	1	....	....	....	....	....	....
139B. Of the uterus	3	....	1	....	....	....	....	....	....	....
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE										
Total	22	1	....	3	1	1	....	....	....	1
140. Abortion with septic conditions	5	....	....	....	....	....	....	....	....	....
140A. Abortion	3	....	....	....	....	....	....	....	....	....
140B. Self-induced abortion	2	....	....	....	....	....	....	....	....	....
144. Puerperal haemorrhage	1	....	....	....	1	....	....	....	....	....
144B. Other haemorrhages	1	....	....	....	1	....	....	....	....	....
145. Puerperal septicaemia (not specified as due to abortion)	4	....	....	1	....	....	....	....	....	....
145A. Puerperal septicaemia and pyaemia	4	....	....	1	....	....	....	....	....	....
146. Puerperal albuminuria and eclampsia	6	1	....	2	....	....	....	....	....	1
147. Other toxaemias of pregnancy	1	....	....	....	....	1	....	....	....	....
148. Puerperal phlegmasia alba dolens, embolism or sudden death (not specified as septic)	3	....	....	....	....	....	....	....	....	....
148B. Embolism	1	....	....	....	....	....	....	....	....	....
148C. Sudden death	2	....	....	....	....	....	....	....	....	....
149. Other accidents of childbirth	2	....	....	....	....	....	....	....	....	....
149A. Caesarean operation	2	....	....	....	....	....	....	....	....	....
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE										
Total	6	1	....	1	....	....	....	....	....	1
151. Carbuncle	1	....	....	1	....	....	....	....	....	....

5,000 TO 10,000 POPULATION IN THE PROVINCE OF ONTARIO, 1939—Continued

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
8	5	13	1	15	6	2	3	11	....	1	6	1	11	7	1	2	1	1	....	1	
....	....	1	....	3	....	....	....	1	....	....	1	....	2	....	1	....	....	1	....	....	115
....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	115A
....	....	1	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	115B
....	....	....	....	2	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	115C
....	1	2	....	1	1	1	....	3	....	....	....	....	....	....	....	....	....	....	....	....	117
....	1	1	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	117A
....	....	1	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	117B
2	....	2	....	....	....	....	1	....	....	....	1	....	2	....	....	....	1	....	....	....	119
....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	1	120
....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	1	120A
4	1	2	1	6	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	121
1	2	4	....	2	1	....	....	5	....	....	1	....	5	3	....	....	....	....	....	....	122
1	1	1	....	1	1	....	....	1	....	....	....	....	1	1	....	....	....	....	....	....	122A
....	1	3	....	1	....	....	....	4	....	....	1	....	4	2	....	....	....	....	....	....	122B
....	....	1	....	....	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	123
1	....	1	....	1	1	....	....	2	....	....	....	1	....	1	....	1	....	....	....	....	124
1	....	1	....	1	1	....	....	2	....	....	....	1	....	1	....	1	....	....	....	....	124B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	125
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	125B
....	....	....	....	2	....	....	....	....	....	1	1	....	....	1	....	....	....	....	....	....	126
....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	127
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	128
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	129
8	2	2	10	7	6	2	5	17	1	6	8	2	8	8	1	6	9	2	4	6	
1	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	130
4	....	....	5	4	4	....	3	9	....	6	3	2	5	3	....	5	6	1	3	....	131
....	1	2	2	1	1	1	1	1	1	....	2	....	1	2	1	1	2	1	1	....	132
....	....	....	....	....	....	....	....	1	....	....	....	....	1	2	....	....	....	....	....	....	133
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	134
....	....	....	1	....	....	....	1	2	....	....	1	....	....	....	....	....	1	....	....	2	135
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	136
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	136A
2	1	....	....	2	1	....	....	4	....	....	1	....	....	....	....	....	....	....	....	3	137
....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	138
1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	139
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	139A
1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	139B
....	1	....	1	2	....	....	....	5	....	....	2	....	....	3	1	....	....	....	....	....	
....	....	....	....	....	....	....	....	2	....	....	2	....	....	....	1	....	....	....	....	....	140
....	....	....	....	....	....	....	....	1	....	....	2	....	....	....	....	....	....	....	....	....	140A
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	140B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	144
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	144B
....	1	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	145
....	1	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	145A
....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	146
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	147
....	....	....	....	1	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	148
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	148B
....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	148C
....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	149
....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	149A
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	151

TABLE 40—CAUSES OF DEATH FOR TOWNS AND VILLAGES OF

CAUSES OF DEATH	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
152. Cellulitis, acute abscess	2	1	....	....	....	....	....	....	....	....
153. Other diseases of the skin and annexa and of the cellular tissue	3	....	....	....	....	....	....	....	....	1
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF LOCOMOTION										
Total	3	....	....	....	....	....	1	....	....	....
154. Osteomyelitis	1	....	....	....	....	....	....	....	....	....
155. Other diseases of the bones (tuberculosis excepted)	2	....	....	....	....	....	1	....	....	....
CLASS XIV.—CONGENITAL MALFORMATIONS										
Total	35	....	....	6	1	2	1	2	....	1
157. Congenital malformations (stillbirths excluded)	35	....	....	6	1	2	1	2	....	1
157A. Congenital hydrocephalus	6	....	....	1	....	....	1	....	....	....
157B. Spina bifida and meningocele	4	....	....	....	....	....	....	1	....	....
157C. Congenital malformations of the heart	16	....	....	4	....	1	....	1	....	....
157E. Others under this title	9	....	....	1	1	1	....	....	....	1
CLASS XV.—DISEASES OF EARLY INFANCY										
Total	114	5	3	11	4	2	1	7	3	3
158. Congenital Debility	5	....	....	....	....	....	....	....	....	....
159. Premature birth	64	2	2	9	3	2	1	3	1	2
160. Injury at birth	23	2	1	....	1	....	....	1	2	1
160B. Without mention of caesarean operation	23	2	1	....	1	....	....	1	2	1
161. Other diseases peculiar to early infancy (under 3 months)	22	1	....	2	....	....	....	3	....	....
161A. Atelectasis	3	....	....	....	....	....	....	....	....	....
161B. Icterus of the new-born	4	....	....	1	....	....	....	1	....	....
161D. Athrepsia	1	....	....	....	....	....	....	....	....	....
161E. Others, including lack of care	14	1	....	1	....	....	....	2	....	....
CLASS XVI.—SENILITY										
Total	25	1	1	1	....	1	....	....	....	....
162. Senility	25	1	1	1	....	1	....	....	....	....
162A. With senile dementia (70 years and over)	16	....	....	....	....	....	....	....	....	....
162B. Without senile dementia (70 years and over)	9	1	1	1	....	1	....	....	....	....
CLASS XVII—VIOLENT OR ACCIDENTAL DEATHS										
Total	176	7	6	22	6	11	1	2	6	3
163–171. Suicides	14	....	3	2	....	....	....	1	....	....
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	2	....	....	1	....	....	....	....	....	....
165. Suicide by hanging or strangulation	4	....	....	1	....	....	....	....	....	....
166. Suicide by drowning	2	....	1	....	....	....	....	....	....	....
167. Suicide by firearms	3	....	....	....	....	....	....	....	....	....
168. Suicide by cutting or piercing instruments	3	....	2	....	....	....	....	1	....	....
176–198. Other violent deaths	162	7	3	20	6	11	1	1	6	3
177. Food poisoning	1	....	....	1	....	....	....	....	....	....
178. Accidental absorption of toxic gases	1	....	....	1	....	....	....	....	....	....
179. Other acute accidental poisonings (except by gas)	1	....	....	....	....	....	....	....	....	....
180. Conflagration	5	....	....	2	....	....	....	....	....	....
181. Accidental burns (conflagration excepted)	6	....	....	3	....	3	....	....	....	....
183. Accidental drowning	26	....	....	2	1	1	....	....	1	....
184. Accidental injury by firearms	1	....	....	....	....	....	....	....	....	1
185. Accidental injury by cutting or piercing instruments	2	....	....	....	....	....	....	....	....	....
186. Accidental injury by fall, crushing or landslide	99	5	2	9	4	6	1	1	4	2
188. Injuries by animals	4	1	....	1	1	....	....	....	....	....
190. Excessive cold	2	1	....	....	....	....	....	....	....	....
191. Excessive heat	2	....	....	....	....	....	....	....	....	....
193. Accidents due to electric currents	3	....	....	....	....	....	....	....	....	....

5,000 TO 10,000 POPULATION IN THE PROVINCE OF ONTARIO, 1939—Continued

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	152
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	153
....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	154
....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	155
1	1	2	....	5	2	1	....	2	....	....	....	1	3	2	....	1	1	....	....	....	
1	1	2	....	5	2	1	....	2	....	....	....	1	3	2	....	1	1	....	....	....	157
....	....	....	....	1	1	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	157A
1	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	157B
....	1	2	....	1	....	1	....	1	....	....	....	1	....	1	....	1	1	....	....	....	157C
....	....	....	....	2	1	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	157F
5	2	12	3	8	1	....	....	9	1	....	6	1	11	5	....	4	3	....	1	3	
....	....	1	....	....	....	....	....	....	....	....	2	....	1	1	....	....	....	....	....	....	158
2	1	6	1	2	1	....	....	6	1	....	3	....	7	2	....	3	3	....	1	....	159
2	1	1	2	4	....	....	....	1	....	....	....	1	1	2	....	....	....	....	....	....	160
2	1	1	2	4	....	....	....	1	....	....	....	1	1	2	....	....	....	....	....	....	160B
1	....	4	....	2	....	....	....	2	....	....	1	....	2	....	....	1	....	....	....	3	161
1	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	161A
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	161B
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161D
....	....	4	....	1	....	....	....	....	....	....	1	....	1	....	....	1	....	....	....	2	161E
....	....	....	....	1	....	....	3	....	....	....	....	....	1	1	....	....	3	....	....	12	
....	....	....	....	1	....	....	3	....	....	....	....	....	1	1	....	....	3	....	....	12	162
....	....	....	....	1	....	....	3	....	....	....	....	....	1	....	....	....	....	....	....	11	162A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	3	....	....	1	162B
8	10	12	1	11	5	....	4	16	5	1	4	3	8	6	1	6	3	3	3	2	
....	....	2	....	2	1	....	1	....	....	....	....	....	....	2	....	....	....	....	....	....	163-171
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	163
....	....	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	165
....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	166
....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	167
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	168
8	10	10	1	9	4	....	3	16	5	1	4	3	8	4	1	6	3	3	3	2	176-198
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	177
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	178
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	179
....	....	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	180
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	181
....	....	6	....	....	....	....	....	2	4	....	2	2	....	....	....	2	....	2	1	....	183
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	184
....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	185
7	8	3	1	7	3	....	2	9	1	....	2	....	6	3	1	4	3	1	2	2	186
....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	188
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	190
....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	191
1	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	193

TABLE 40—CAUSES OF DEATH FOR TOWNS AND VILLAGES OF

CAUSES OF DEATH	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
194. Other accidents	8	....	1	1	....	1	....	....	1	....
194B. Others under this title	8	....	1	1	....	1	....	....	1	....
195. Violent deaths of which the nature (accident, suicide, homicide) is unknown	1	....	....	....	....	....	....	....	....	....
CLASS XVIII.—ILL-DEFINED CAUSES OF DEATH										
Total	2	....	....	....	....	....	....	....	....	....
199. Sudden death	1	....	....	....	....	....	....	....	....	....
200. Cause of death not specified or ill-defined	1	....	....	....	....	....	....	....	....	....

SPECIAL CLASSES OF ACCIDENTAL DEATHS FOR

(Included also under the numbers

ONTARIO,

	Total	Barrie	Brampton	Brockville	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Frances
B. Accidents caused by machines	3	....	....	....	....	....	....	....	....	....
C. Railway accidents	5	....	....	....	....	....	....	....	1	....
D. Street car accidents	1	....	....	....	....	....	....	....	....	....
E. Automobile and motorcycle accidents	47	4	2	4	2	3	....	1	2	....
F. Other land transportation	3	....	....	....	....	....	....	1	....	....
G. Water transportation	6	....	....	....	....	....	....	....	....	....

5,000 TO 10,000 POPULATION IN THE PROVINCE OF ONTARIO, 1939—Continued

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
....	....	1	....	1	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	194
....	....	1	....	1	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	194B
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	195
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	199
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	200

TOWNS AND VILLAGES OF 5,000 TO 10,000 POPULATION

of the International List above)

1939

Hawkesbury	Ingersoll	Kenora	Leamington	Lindsay	Midland	Mimico	New Toronto	Orillia	Port Colborne	Preston	Renfrew	Riverside	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby	
....	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	B
....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	1	....	....	....	....	C
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	D
4	5	3	1	4	....	....	....	5	3	....	....	....	1	....	....	1	2	....	....	....	E
....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	F
....	....	5	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	G

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
DEATHS—ALL CAUSES. **Total**	**19,130**	**263**	**425**	**317**	**244**	**39**	**225**	**189**	**203**	**1588**	**487**	**136**
CLASS I.—INFECTIOUS AND PARASITIC DISEASES												
Total	1,163	21	28	28	25	1	49	10	13	69	39	6
1. Typhoid fever	10	....	....	....	....	....	....	....	....	2	....	....
2. Paratyphoid fever	1	....	....	....	....	....	....	....	....	....	....	....
7. Measles	30	....	....	....	1	....	....	....	1	3	....	....
8. Scarlet fever	35	....	....	1	....	....	....	....	1	1	1	....
9. Whooping-cough	40	1	....	....	....	....	....	....	....	9	1	....
10. Diphtheria	9	....	1	1	....	....	....	....	....	....	....	....
11. Influenza	456	9	19	19	8	....	7	7	8	29	16	....
11A. Sole cause	29	1	1	....	....	....	1	....	....	1	....	....
11B. With bronchitis	16	....	1	1	....	....	....	1	....	....	....	....
11C. With pneumonia	216	3	10	11	6	....	4	4	6	16	11	....
11D. With other diseases of the respiratory system	28	....	1	1	1	....	....	....	....	1	1	....
11E. With intestinal complications	11	....	....	....	....	....	....	....	....	....	....	....
11F. With other causes	156	5	6	6	1	....	2	2	2	11	4	....
13. Dysentery	9	2	....	1	....	....	....	....	....	2	....	....
15. Erysipelas	14	....	2	....	....	....	....	1	....	....	....	....
16. Poliomyelitis and polioencephalitis (acute)	20	....	....	....	....	....	....	....	....	....	....	....
17. Lethargic or epidemic encephalitis	5	....	....	1	....	....	....	....	....	1	....	....
18. Epidemic cerebrospinal meningitis	10	....	....	....	....	....	....	....	....	2	1	....
22. Tetanus	9	....	....	....	1	....	....	....	....	....	1	....
23-32. Tuberculosis	375	6	3	....	15	1	38	1	3	14	16	2
23. Tuberculosis of the respiratory system	279	2	3	....	11	1	31	....	2	8	14	2
24. Tuberculosis of the meninges and central nervous system	41	2	....	....	1	....	3	....	1	....	1	....
25. Tuberculosis of the intestines and peritoneum	13	....	....	....	1	....	1	1	....	3	....	....
26. Tuberculosis of the vertebral column	15	1	....	....	1	....	2	....	....	1	....	....
27. Tuberculosis of the bones and joints (vertebral column excepted)	2	....	....	....	....	....	....	....	....	....	....	....
27B. Of the joints	2	....	....	....	....	....	....	....	....	....	....	....
29. Tuberculosis of the lymphatic system (bronchial, mesenteric and retroperitoneal glands excepted)	3	....	....	....	....	....	....	....	....	....	....	....
30. Tuberculosis of the genito-urinary system	13	1	....	....	1	....	1	....	....	2	....	....
32. Disseminated tuberculosis	9	....	....	....	....	....	....	....	....	....	1	....
32A. Acute	5	....	....	....	....	....	....	....	....	....	....	....
32C. Not specified	4	....	....	....	....	....	....	....	....	....	1	....
34. Syphilis	102	3	2	5	....	....	3	....	....	4	2	4
35. Gonococcus infection and other venereal diseases	1	....	....	....	....	....	....	....	....	....	....	....
36. Purulent infection, septicaemia (non-puerperal)	20	....	....	....	....	....	....	....	....	2	1	....
38. Malaria	1	....	....	....	....	....	....	....	....	....	....	....
39. Other diseases due to protozoal parasites	3	....	....	....	....	....	....	....	....	....	....	....
43. Mycoses	3	....	....	....	....	....	....	....	....	....	....	....
44. Other infectious or parasitic diseases	10	....	1	....	....	....	1	1	....	....	....	....
44A. Chicken-pox	3	....	1	....	....	....	1	....	....	....	....	....
44C. Others under this title	7	....	....	....	....	....	....	1	....	....	....	....
CLASS II—CANCER AND OTHER TUMOURS												
Total	2,934	29	54	41	32	9	21	24	28	257	73	14
45 53. Cancer and other malignant tumours	2,717	29	47	36	30	9	19	22	25	239	71	12
45. Cancer of the buccal cavity and pharynx	92	1	....	1	1	....	....	1	....	7	2	....
46. Cancer of the digestive tract and peritoneum	1,333	20	24	20	18	4	9	13	13	108	33	5
46A. Of the oesophagus	75	1	....	....	....	....	1	....	1	8	2	....
46B. Of the stomach and duodenum	436	7	6	10	5	2	4	7	4	41	7	3
46C. Of the rectum	153	1	4	1	4	....	2	1	2	12	3	....
46D. Of the liver and biliary ducts	147	4	3	2	3	1	....	1	....	6	4	1
46E. Of the pancreas	87	1	4	....	....	1	....	....	....	4	2	1
46F. Of the peritoneum	14	....	....	....	....	....	....	....	....	3	1	....
46G. Of other organs	421	6	7	7	6	....	2	4	6	34	14	....
47. Cancer of the respiratory organs	149	....	2	1	....	3	1	1	....	18	4	....
47A. Of the larynx	23	....	....	....	....	....	1	....	....	2	2	....
47B. Of the lung	98	....	2	....	....	1	....	1	....	14	2	....
47C. Of the mediastinum	8	....	....	....	....	1	....	....	....	1	....	....
47D. Of other organs of the respiratory system	20	....	....	1	....	1	....	....	....	1	....	....
48. Cancer of the uterus	201	3	6	3	2	1	1	2	1	19	8	3
48A. Of the uterus	110	2	3	....	2	....	....	2	....	9	6	2
48B. Of the cervix uteri	91	1	3	3	....	1	1	....	1	10	2	1

OF 10,000 POPULATION AND OVER—ONTARIO, 1939

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
376	1167	208	124	199	1811	214	186	333	255	322	253	218	256	237	271	194	7122	164	882	222	
18	69	11	9	8	164	13	16	14	12	18	12	26	19	15	26	18	308	13	66	19	
....	2	....	....	....	2	....	....	....	....	....	....	2	....	....	....	....	2	....	....	....	1
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2
....	3	....	1	....	3	....	1	....	....	....	1	....	....	....	2	1	11	1	1	....	7
....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	29	....	....	....	8
1	3	....	1	....	7	....	....	1	....	....	1	1	....	2	1	....	7	....	3	....	9
....	....	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	1	....	3	....	10
12	31	7	3	7	51	9	10	9	3	14	5	14	9	10	5	4	94	11	15	11	11
....	1	2	....	1	6	1	1	....	1	....	1	1	....	2	....	....	7	....	1	....	11A
....	1	1	....	....	3	1	....	....	....	3	1	....	....	....	....	1	1	....	1	....	11B
9	15	2	1	4	13	1	7	2	2	8	3	6	6	2	3	2	41	6	6	6	11C
....	....	1	....	....	7	2	....	1	....	....	....	....	....	1	....	....	10	1	....	....	11D
....	1	....	1	....	5	....	....	2	....	1	....	....	....	....	....	....	1	....	....	....	11E
3	13	1	1	2	17	4	2	4	....	2	....	7	3	5	2	1	34	4	7	5	11F
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	2	1	....	....	....	13
....	....	1	....	....	2	....	1	....	....	....	....	1	....	....	....	....	6	....	....	....	15
....	4	....	....	....	2	....	....	1	....	....	....	4	....	1	....	....	5	....	3	....	16
....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	....	....	....	....	....	....	17
....	....	....	....	....	2	....	1	....	....	....	....	....	....	....	....	....	4	....	....	....	18
....	2	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	2	....	....	....	22
3	14	....	3	1	76	4	2	2	4	2	3	2	7	1	13	10	91	....	30	8	23–32
1	9	....	....	1	62	3	2	1	1	....	3	....	5	1	9	6	65	....	29	7	23
1	2	....	2	....	6	....	....	1	2	....	....	....	1	....	2	2	14	....	....	....	24
1	....	....	....	....	2	....	....	....	....	....	....	1	....	....	....	1	2	....	....	....	25
....	....	....	....	....	4	....	....	....	....	1	....	....	....	....	1	....	4	....	....	....	26
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	27
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	27B
....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	1	29
....	1	....	1	....	1	....	....	....	....	1	....	....	1	....	....	1	2	....	....	....	30
....	2	....	....	....	1	....	....	....	1	....	....	1	....	....	1	....	1	....	1	....	32
....	1	....	....	....	1	....	....	....	1	....	....	1	....	....	....	....	1	....	....	....	32A
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	32C
1	4	2	....	....	14	....	....	....	4	1	1	....	1	....	4	1	38	1	7	....	34
....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35
....	1	....	....	....	1	....	....	....	....	....	....	2	2	....	1	....	8	....	2	....	36
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	38
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	39
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	43
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	....	1	....	44
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	44A
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	....	1	....	44C
67	185	29	16	24	270	22	17	39	26	42	28	16	35	30	14	22	1290	21	127	32	
56	172	27	15	24	254	17	16	35	23	38	26	13	34	26	14	20	1196	21	120	31	45–53
....	3	1	....	....	14	....	....	....	....	1	2	1	1	1	....	....	46	1	7	1	45
32	87	15	9	12	132	10	7	16	13	18	8	8	17	9	7	8	572	10	59	17	46
2	3	....	1	....	12	1	....	....	2	....	1	....	....	....	1	....	36	1	2	....	46A
11	28	6	3	4	33	4	3	5	4	2	2	4	6	5	3	5	185	2	17	8	46B
2	9	2	1	1	18	....	....	1	1	2	3	....	....	1	....	3	66	1	9	3	46C
5	10	1	2	1	15	1	....	4	2	1	2	2	3	1	1	....	63	1	5	2	46D
4	3	1	....	3	8	1	....	....	2	1	....	....	1	....	....	....	43	2	5	....	46E
1	2	....	....	....	2	....	....	....	....	....	....	1	....	....	....	....	3	....	1	....	46F
7	32	5	2	3	44	3	4	6	2	12	....	1	7	2	2	....	176	3	20	4	46G
3	4	2	....	1	8	....	1	....	2	2	1	2	1	1	1	2	79	1	6	2	47
....	....	....	....	....	3	....	....	....	....	1	....	1	....	....	....	....	11	....	2	....	47A
2	3	2	....	1	5	....	1	....	2	1	....	1	1	1	1	2	50	1	2	2	47B
1	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	3	....	....	....	47C
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	15	....	2	....	47D
2	11	....	1	2	15	1	2	4	1	6	3	....	7	1	2	1	75	....	16	2	48
2	6	....	....	1	7	1	....	4	....	3	3	....	2	....	1	....	47	....	5	2	48A
....	5	....	1	1	8	....	2	....	1	3	....	....	5	1	1	1	28	....	11	....	48B

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
49. Cancer of the other female genital organs	82	....	2	3	....	....	2	....	2	7	3	1
50. Cancer of the breast	300	3	3	2	2	....	3	1	4	26	3	2
51. Cancer of the male genito-urinary organs	254	1	5	3	4	....	2	3	4	30	5	1
51A. Of the bladder	77	1	2	....	....	....	1	1	1	12	1	....
51B. Of the kidney	25	....	....	1	1	....	1	....	....	3	....	....
51C. Of the prostate gland	144	....	2	2	3	....	....	2	3	15	3	1
51D. Of the testicles and annexa	8	....	1	....	....	....	....	....	....	....	1	....
52. Cancer of the skin	48	....	2	....	....	....	....	....	....	2	3	....
53. Cancer of other or unspecified organs	258	1	3	3	3	1	1	1	1	22	10	....
53A. Of the eye and orbit	8	....	1	....	....	....	....	....	....	1	2	....
53C. Of the glandular system	39	....	....	....	1	....	1	....	1	3	1	....
53D. Of the female urinary organs	56	1	1	3	1	....	....	....	....	5	....	....
53E. Of the bones and joints	39	....	....	....	....	....	....	1	....	3	2	....
53F. Of the brain	52	....	....	....	....	1	....	....	....	2	....	....
53G. Of the spine and spinal cord	10	....	....	....	....	....	....	....	....	....	1	....
53H. Of the neck	4	....	....	....	....	....	....	....	....	....	....	....
53I. Of the abdomen	26	....	1	....	....	....	....	....	....	4	1	....
53J. Of other specified organs	11	....	....	....	....	....	....	....	....	....	3	....
53K. Multiple cancer	13	....	....	....	1	....	....	....	....	4	....	....
54. Non-malignant tumours	189	....	7	4	2	....	2	2	3	15	2	2
54A. Of the ovary	23	....	1	....	....	....	1	1	1	2	....	1
54B. Of the uterus	26	....	1	2	....	....	1	1	....	1	2	....
54D. Of the brain	28	....	....	....	1	....	....	....	1	3	....	....
54E. Of the thyroid gland	39	....	4	....	....	....	....	....	1	1	....	....
54F. Of the prostate gland	34	....	1	1	1	....	....	....	....	1	....	....
54G. Of other or unspecified sites	39	....	....	1	....	....	....	....	....	7	....	1
55. Tumours, nature not specified	28	....	....	1	....	....	....	....	....	3	....	....
55D. Of the brain	16	....	....	....	....	....	....	....	....	2	....	....
55F. Of the prostate gland	1	....	....	....	....	....	....	....	....	....	....	....
55G. Of other or unspecified sites	11	....	....	1	....	....	....	....	....	1	....	....
CLASS III.—RHEUMATIC DISEASES, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS AND OTHER GENERAL DISEASES												
Total	610	3	15	12	11	2	6	7	4	40	13	2
56. Acute rheumatic fever	80	1	4	1	....	....	....	....	....	3	....	....
57. Chronic rheumatism, osteo-arthritis	12	....	1	....	1	1	....	....	....	....	1	....
59. Diabetes mellitus	372	2	7	9	4	....	4	5	3	29	6	....
60. Scurvy	3	....	....	....	....	....	....	....	....	1	....	....
62. Pellagra	2	....	....	....	....	....	....	....	....	....	....	....
63. Rickets	4	....	....	....	....	....	....	....	....	....	....	....
66. Diseases of the thyroid and parathyroid glands	86	....	1	1	3	....	1	....	1	4	4	1
66A. Simple goitre	9	....	....	....	....	....	....	....	....	....	....	....
66B. Exophthalmic goitre	62	....	1	1	2	....	1	....	....	3	4	1
66C. Myxoedema, cretinism	3	....	....	....	....	....	....	....	....	1	....	....
66D. Tetany	4	....	....	....	....	....	....	....	....	....	....	....
66E. Others under this title	8	....	....	....	1	....	....	....	1	....	....	....
67. Diseases of the thymus gland	30	....	1	....	1	1	....	2	....	....	2	1
68. Diseases of the adrenals (Addison's disease)	8	....	....	....	....	....	1	....	....	3	....	....
69. Other general diseases	13	....	1	1	2	....	....	....	....	....	....	....
69A. Fatty or amyloid degeneration	4	....	....	....	....	....	....	....	....	....	....	....
69C. Others under this title	9	....	1	1	2	....	....	....	....	....	....	....
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS												
Total	296	4	4	9	4	1	6	2	4	26	13	2
70. Haemorrhagic conditions	6	....	....	....	....	....	1	....	....	1	....	....
70A. Simple purpura	4	....	....	....	....	....	1	....	....	1	....	....
70B. Haemophilia	2	....	....	....	....	....	....	....	....	....	....	....
71. Anaemia	169	3	4	7	2	....	4	1	3	15	8	1
71A. Pernicious anaemia	155	3	4	7	2	....	4	1	3	14	8	....
71B. Others under this title	14	....	....	....	....	....	....	....	....	1	....	1
72. Leukaemia and aleukaemia	104	1	....	1	2	1	....	1	1	8	3	1
72A. Leukaemia	81	1	....	1	2	1	....	....	1	5	2	1
72B. Aleukaemia (Hodgkin's disease)	23	....	....	....	....	....	....	1	....	3	1	....
73. Diseases of the spleen	9	....	....	1	....	....	....	....	....	1	....	....
74. Other diseases of the blood and blood-forming organs	8	....	....	....	....	....	1	....	....	1	2	....

OF 10,000 POPULATION AND OVER—ONTARIO, 1939—Continued

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
3	7	3	....	2	3	....	....	....	1	....	1	....	....	2	....	....	36	1	3	....	49
7	22	5	2	1	23	2	2	5	3	7	6	2	2	5	2	4	133	4	8	6	50
3	20	....	2	3	25	3	1	3	2	2	3	....	3	5	1	1	106	2	8	3	51
1	4	....	1	....	2	1	....	....	1	1	1	....	2	1	....	....	40	....	3	....	51A
1	4	....	....	....	2	....	....	1	....	....	....	....	1	....	1	....	6	2	....	1	51B
1	11	....	1	3	20	2	1	2	1	1	2	....	....	3	....	1	58	....	4	2	51C
....	1	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	2	....	1	....	51D
3	4	....	....	2	7	1	1	....	....	....	....	....	....	....	....	....	22	....	1	....	52
3	14	1	1	1	27	....	2	7	1	2	2	....	3	2	1	4	127	2	12	....	53
1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	53A
1	6	....	....	....	4	....	....	1	....	....	....	....	....	....	1	....	17	....	2	....	53C
....	2	....	....	....	7	....	1	4	....	....	1	....	1	....	....	2	26	....	1	....	53D
....	4	....	....	....	4	....	1	1	1	....	....	....	....	1	....	....	19	....	2	....	53E
1	....	....	1	....	4	....	....	....	....	....	....	....	....	1	....	1	36	....	5	....	53F
....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	7	....	1	....	53G
....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	2	....	....	....	53H
....	....	1	....	....	6	....	....	1	....	....	....	....	....	....	....	1	10	....	1	....	53I
....	2	....	....	....	1	....	....	....	....	....	....	....	2	....	....	....	3	....	....	....	53J
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	5	2	....	....	53K
10	12	2	1	....	15	5	....	2	1	4	2	3	1	4	....	2	80	....	5	1	54
1	1	2	....	....	1	1	....	....	....	1	1	1	1	1	....	....	5	....	....	....	54A
4	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	9	....	2	1	54B
....	....	....	....	....	1	....	....	....	....	....	1	1	....	....	....	1	19	....	....	....	54D
4	5	....	1	....	4	....	....	1	1	1	....	....	....	2	....	....	13	....	1	....	54E
1	2	....	....	....	5	....	....	....	....	2	....	1	....	1	....	....	18	....	....	....	54F
....	4	....	....	....	2	4	....	1	....	....	....	....	....	....	....	1	16	....	2	....	54G
1	1	....	....	....	1	....	1	2	2	....	....	....	....	....	....	....	14	....	2	....	55
1	1	....	....	....	....	....	1	1	1	....	....	....	....	....	....	....	8	....	1	....	55D
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	55F
....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	6	....	1	....	55G
26	46	9	2	10	55	11	5	13	13	17	9	10	10	4	7	7	204	6	28	3	
6	10	1	1	1	7	2	2	1	1	2	....	....	....	....	2	1	27	2	5	....	56
2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	5	....	....	....	57
12	29	7	1	8	34	8	1	8	8	14	7	8	6	4	3	....	125	2	16	2	59
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	60
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	62
....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	1	....	1	....	....	....	63
5	4	1	....	....	9	1	1	2	3	....	....	1	....	....	1	1	36	....	4	1	66
3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	....	1	....	66A
2	4	1	....	....	6	1	1	1	3	....	....	1	....	....	....	1	24	....	3	1	66B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	66C
....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	1	....	1	....	....	....	66D
....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	4	....	....	....	66E
1	1	....	....	1	2	....	1	1	1	....	....	....	3	....	....	5	3	1	2	....	67
....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	3	....	....	....	68
....	1	....	....	....	1	....	....	....	....	....	1	1	....	....	....	....	4	....	1	....	69
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	....	69A
....	....	....	....	....	1	....	....	....	....	....	1	1	....	....	....	....	2	....	....	....	69C
2	12	3	3	1	34	5	4	5	3	2	2	2	4	5	1	1	115	3	11	3	
....	....	....	....	....	2	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	70
....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	70A
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	70B
2	9	3	3	1	16	4	4	4	2	1	2	1	3	4	1	....	54	....	5	2	71
1	9	3	3	1	16	4	3	3	1	....	2	....	3	4	1	....	49	....	4	2	71A
1	....	....	....	....	....	....	1	1	1	1	....	1	....	....	....	....	5	....	1	....	71B
....	3	....	....	....	13	1	....	1	1	1	....	1	....	1	....	1	52	3	6	1	72
....	3	....	....	....	10	1	....	1	1	....	....	....	....	1	....	1	41	1	6	1	72A
....	....	....	....	....	3	....	....	....	....	1	....	1	....	....	....	....	11	2	....	....	72B
....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	5	....	....	....	73
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	74

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
CLASS V.—CHRONIC POISONINGS AND INTOXICATIONS												
Total	34				1					2	1	1
75. Alcoholism	28				1					2	1	1
75A. Delirium tremens	2				1							
75B. Other alcoholic intoxications	26									2	1	1
76. Chronic poisoning, by other organic substances	4											
76A. Chronic morphinism	1											
76D. Other organic poisoning	3											
77. Chronic poisoning by mineral substances	2											
77A. Lead (including occupational)	1											
77C. Others under this title	1											
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE												
Total	818	8	15	14	8	2	5	4	4	47	15	2
78. Encephalitis (non-epidemic)	25									2	2	
79. Simple meningitis	41	1	2		3		1			3	1	
80. Progressive locomotor ataxia (tabes dorsalis)	14						1			2		
81. Other diseases of the spinal cord	65	2	1	1	1		1	1	1	5	4	
82. Cerebral haemorrhage, cerebral embolism and thrombosis	390	3	6	8	2	1	2	1	3	21	4	
82A. Cerebral haemorrhage	300	2	5	5	2		2	1	3	16	3	
82B. Cerebral embolism and thrombosis	61		1	1		1				4	1	
82C. Softening of the brain	2									1		
82D. Hemiplegia and other paralysis, cause not specified	27	1		2								
83. General paralysis of the insane	28		1								2	
84. Dementia praecox and other psychoses	34									4		
84A. Dementia praecox	26									2		
84B. Other psychoses	8									2		
85. Epilepsy	23			1	1					1		1
86. Convulsions (under 5 years of age)	8		1									
87. Other diseases of the nervous system	121	1	2	2	1	1		2		4	2	1
87A. Chorea	4											
87B. Neuralgia and neuritis	5					1						
87C. Paralysis agitans	47		1	1				1		1	1	
87D. Sclerosis (other than of the spinal cord)	49		1	1	1			1		3	1	
87E. Others under this title	16	1										1
88. Diseases of the organs of vision	8		1									
89. Diseases of the ear and mastoid process	61	1	1	2						5		
89A. Otitis	30			2						3		
89B. Diseases of the mastoid process	30	1	1							2		
89C. Others under this title	1											
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM												
Total	6,269	71	160	83	46	18	67	74	75	567	156	26
90–95. Diseases of the heart	3,804	37	108	41	26	14	41	48	45	310	91	17
90. Pericarditis	11									2		
91. Acute endocarditis	52	2					1	2		3	2	
91A. Endocarditis specified as acute	46	2					1	2		3	2	
91B. Endocarditis, unspecified (under 45 years of age)	6											
92. Chronic endocarditis, valvular diseases	336	2	14	8	4	2	6	2	5	26	4	
92A. Endocarditis specified as chronic and other valvular diseases	274	2	13	8	3	2	5	1	5	21	4	
92B. Endocarditis, unspecified (45 years and over)	62		1		1		1	1		5		
93. Diseases of the myocardium	1,006	9	27	8	8	1	6	9	9	88	18	5
93A. Acute myocarditis	50		3					1		3	1	1
93B. Myocarditis, unspecified (under 45 years of age)	16				1		1		1	1		1
93C. Chronic myocarditis and myocardial degeneration	666	6	18	5	2	1	5	3	1	46	12	1
93D. Myocarditis, unspecified (45 years and over)	274	3	6	3	5			5	7	38	5	2
94. Diseases of the coronary arteries and angina pectoris	2,217	19	66	21	13	10	28	34	30	180	65	12
94A. Diseases of the coronary arteries	94		4	1			2		1	6	2	
94B. Embolism and thrombosis of the coronary arteries	1,978	19	59	20	11	10	26	32	25	163	62	12

OF 10,000 POPULATION AND OVER—ONTARIO, 1939—Continued

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
....	....	....	....	....	1	....	....	....	2	1	....	....	1	....	2	1	19	1	1	....	
....	....	....	....	....	....	....	....	....	2	1	....	....	1	....	2	1	14	1	1	....	75
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	75A
....	....	....	....	....	....	....	....	....	2	1	....	....	1	....	2	1	13	1	1	....	75B
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	76
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	.. .	....	....	....	76A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	76D
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	77
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	77A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	77C
14	76	2	5	6	71	6	9	17	7	15	7	10	7	14	11	3	363	5	32	14	
1	....	....	....	....	6	....	....	....	1	1	....	....	....	....	....	....	9	....	3	....	78
1	2	....	....	....	6	....	2	1	....	1	....	....	1	....	1	1	14	....	....	....	79
..	2	....	....	....	3	....	....	....	....	....	....	....	....	....	....	....	5	....	1	....	80
2	4	....	....	2	6	....	....	....	....	1	....	1	....	2	1	....	25	....	3	1	81
9	30	2	2	4	31	2	7	12	5	4	4	7	4	9	3	1	185	3	12	3	82
9	19	1	1	3	17	2	3	11	5	4	4	6	3	7	2	1	150	1	9	3	82A
....	9	1	1	1	8	....	....	1	....	....	....	....	....	2	....	....	25	2	3	....	82B
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	82C
....	2	....	....	....	5	....	4	....	....	....	....	1	1	....	1	....	10	....	....	....	82D
....	10	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	12	....	1	....	83
....	7	....	....	....	2	....	....	....	....	2	....	....	....	1	1	....	9	....	1	7	84
....	7	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	9	....	1	6	84A
....	....	....	....	....	2	....	....	....	....	2	....	....	....	....	1	....	....	....	....	1	84B
....	....	....	....	....	3	....	....	....	....	....	1	....	....	1	1	....	8	....	2	3	85
....	1	....	....	....	....	....	....	....	....	2	1	....	....	....	2	....	1	....	....	....	86
1	12	....	3	....	9	1	....	2	....	3	1	2	2	1	....	....	64	....	4	....	87
....	2	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	87A
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	87B
....	5	....	1	....	4	....	....	....	....	2	1	1	....	....	....	....	27	....	1	....	87C
....	4	....	2	....	3	....	....	....	....	1	....	....	1	1	....	....	28	....	1	....	87D
....	1	....	....	....	1	1	....	2	....	....	....	1	1	....	....	....	5	....	2	....	87E
....	1	....	....	....	1	....	....	1	....	....	....	....	....	....	1	....	1	1	1	....	88
....	7	....	....	....	4	3	....	....	1	....	....	....	....	....	1	1	30	1	4	....	89
....	4	....	....	....	1	1	....	....	1	....	....	....	....	....	....	1	13	1	3	....	89A
....	3	....	....	....	3	2	....	....	....	....	....	....	....	....	1	....	16	....	1	....	89B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	89C
117	342	66	41	68	558	72	52	118	81	84	107	71	77	71	49	37	2565	39	250	61	
67	207	31	30	38	335	34	35	65	54	52	62	34	50	51	32	25	1601	26	162	35	90-95
....	2	....	....	....	3	....	....	....	....	....	....	....	1	....	2	....	1	....	....	....	90
....	1	....	1	....	10	....	2	....	....	....	1	....	....	....	....	....	23	....	3	1	91
....	1	....	1	....	10	....	2	....	....	....	1	....	....	....	....	....	19	....	1	1	91A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	....	2	....	91B
7	8	1	2	3	40	4	17	14	12	6	8	5	5	2	4	1	105	3	12	4	92
5	8	1	2	3	32	4	4	14	10	3	7	5	1	2	2	1	91	3	9	3	92A
2	....	....	....	....	8	....	13	....	2	3	1	....	4	....	2	....	14	....	3	1	92B
20	74	5	5	5	99	12	10	26	8	15	16	4	22	17	5	9	404	3	43	16	93
1	8	....	....	....	7	....	....	2	....	2	....	....	2	3	....	....	14	....	2	....	93A
....	2	....	....	....	3	....	....	....	....	1	....	....	....	....	....	....	3	....	1	1	93B
9	53	3	5	5	58	8	6	10	5	10	12	4	9	4	4	4	314	3	25	15	93C
10	11	2	....	....	31	4	4	14	3	2	4	....	11	10	1	5	73	...	15	....	93D
38	105	25	17	28	171	15	5	23	31	29	35	25	20	30	20	11	994	15	92	10	94
....	6	2	....	1	1	....	....	....	12	3	....	1	....	1	....	3	41	....	7	....	94A
36	82	23	15	24	161	14	4	22	17	24	31	22	11	27	18	7	903	12	81	5	94B

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
94C. Angina pectoris	145	....	3	....	2	....	....	2	4	11	1	....
95. Other diseases of the heart	182	5	1	4	1	1	....	1	1	11	2	....
95A. Functional diseases of the heart	35	2	....	3	1	....	....	....	....	....	....	....
95B. Other and unspecified	147	3	1	1	....	1	....	1	1	11	2	....
96. Aneurysm (except of the heart)	42	1	2	....	....	....	1	....	....	7	....	....
97. Arteriosclerosis (of coronary arteries excepted)	1,827	23	40	23	17	2	19	25	26	207	58	6
98. Gangrene	51	1	3	2	....	....	1	....	....	1	4	....
99. Other diseases of the arteries	30	1	....	1	....	....	....	....	....	4	....	....
100. Diseases of the veins (varices, haemorrhoids, phlebitis, etc.)	46	....	....	1	....	....	1	....	....	2	2	....
101. Diseases of the lymphatic system (lymphangitis, etc.)	5	....	....	....	....	....	....	....	....	....	....	....
102. Idiopathic abnormalities of blood pressure	463	7	7	15	3	2	4	1	4	36	1	3
103. Other diseases of the circulatory system	1	1	....	....	....	....	....	....	....	....	....	....
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM												
Total	1,437	12	24	10	23	3	10	8	9	173	25	11
104. Diseases of the nasal fossae and annexa	19	....	....	....	1	....	....	....	....	....	....	....
105. Diseases of the larynx	10	....	....	....	1	....	....	....	1	....	....	....
105A. Croup	2	....	....	....	1	....	....	....	....	....	....	....
105B. Other diseases of the larynx	8	....	....	....	....	....	....	....	1	....	....	....
106. Bronchitis	39	1	....	1	....	....	....	2	....	3	....	....
106A. Acute	11	....	....	....	....	....	....	....	....	1	....	....
106B. Chronic	19	....	....	....	....	....	....	1	....	1	....	....
106C. Unspecified	9	1	....	1	....	....	....	1	....	1	....	....
107. Bronchopneumonia	677	6	8	5	12	1	2	2	6	100	9	5
107A. Bronchopneumonia	677	6	8	5	12	1	2	2	6	100	9	5
108. Lobar pneumonia	417	3	11	1	5	1	4	2	2	44	8	4
109. Pneumonia, unspecified	68	....	2	1	....	....	1	....	....	3	1	....
110. Pleurisy	41	....	1	....	1	....	....	1	....	4	....	1
111. Congestion and haemorrhagic infarct of the lung, etc.	43	....	....	1	1	....	1	....	....	3	4	....
111A. Pulmonary embolism and thrombosis	8	....	....	....	1	....	1	....	....	....	....	....
111B. Others under this title	35	....	....	1	....	....	....	....	....	3	4	....
112. Asthma	91	1	1	1	2	1	1	1	....	11	2	1
113. Pulmonary emphysema	3	....	....	....	....	....	....	....	....	1	1	....
114. Other diseases of the respiratory system (tuberculosis excepted)	29	1	1	....	....	....	1	....	....	4	....	....
114A. Chronic interstitial pneumonia including occupational diseases of the respiratory system	12	1	1	....	....	....	1	....	....	1	....	....
114C. Others under this title	17	....	....	....	....	....	....	....	....	3	....	....
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM												
Total	1,351	18	27	27	23	1	14	21	9	94	43	13
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations)	83	...	3	4	....	....	3	1	....	7	1	1
115A. Diseases of the buccal cavity and annexa	30	....	2	1	....	....	1	....	....	3	....	....
115B. Diseases of the tonsils	21	....	1	....	....	....	....	....	....	3	1	1
115C. Others under this title	32	....	....	3	....	....	2	1	....	1	....	....
116. Diseases of the oesophagus	2	....	....	....	....	....	....	....	....	1	....	....
117. Ulcer of the stomach or duodenum	214	2	3	3	1	....	2	1	1	13	4	3
117A. Ulcer of the stomach	91	2	....	1	1	....	1	....	1	4	....	3
117B. Ulcer of the duodenum	123	....	3	2	....	....	1	1	....	9	4	....
118. Other diseases of the stomach	13	....	....	....	1	....	....	....	1	1	1	....
119. Diarrhoea and enteritis (under 2 years of age)	134	2	7	1	7	....	2	1	1	3	5	....
120. Diarrhoea and enteritis (2 years and over)	87	2	....	1	1	....	....	....	1	10	4	....
120A. Diarrhoea and enteritis	47	2	....	1	1	....	....	....	1	5	2	....
120B. Ulceration of the intestines	40	....	....	....	....	....	....	....	....	5	2	....
121. Appendicitis	230	2	1	7	3	....	1	7	3	15	8	6
122. Hernia, intestinal obstruction	239	4	6	5	5	1	1	7	1	18	11	2
122A. Hernia	119	2	2	3	4	1	....	5	1	14	3	....
122B. Intestinal obstruction	120	2	4	2	1	....	1	2	....	4	8	2
123. Other diseases of the intestines	34	....	....	....	....	....	1	1	....	2	....	....
124. Cirrhosis of the liver	95	2	2	1	2	....	1	2	....	11	1	1
124A. Specified as alcoholic	8	....	....	....	....	....	....	....	....	....	....	....
124B. Not specified as alcoholic	87	2	2	1	2	....	1	2	....	11	1	1
125. Other diseases of the liver	25	....	1	....	1	....	....	....	....	2	1	....
125A. Yellow atrophy of the liver	8	....	....	....	....	....	....	....	....	1	1	....
125B. Others under this title	17	....	1	....	1	....	....	....	....	1	....	....

OF 10,000 POPULATION AND OVER—ONTARIO, 1939—Continued

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
2	17	....	2	3	9	1	1	1	2	2	4	2	9	2	2	1	50	3	4	5	94C
2	17	....	5	2	12	3	1	2	3	2	2	....	2	2	1	4	74	5	12	4	95
....	....	....	2	1	4	1	....	1	....	....	....	....	....	1	....	....	16	1	1	1	95A
2	17	....	3	1	8	2	1	1	3	2	2	....	2	1	1	4	58	4	11	3	95B
....	1	....	2	....	6	....	....	2	2	....	1	1	....	....	....	....	14	....	2	..	96
44	100	29	5	20	170	35	12	40	18	28	36	28	20	15	13	5	666	11	61	25	97
1	1	1	1	....	4	1	....	4	....	....	2	2	1	2	....	....	17	....	1	1	98
1	1	....	....	....	2	....	....	....	....	....	....	1	....	....	....	....	18	....	1	..	99
1	4	....	....	2	....	2	....	....	....	....	....	1	2	....	1	2	23	....	2	....	100
....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	3	....	....	....	101
3	28	5	3	8	41	....	4	7	7	4	6	4	3	3	3	5	223	2	21	....	102
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	103
27	109	17	8	14	88	8	3	23	20	31	14	18	13	20	25	21	584	12	56	18	
....	4	1	....	....	2	....	....	1	....	....	....	1	....	1	....	....	7	....	1	...	104
2	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	3	....	....	....	105
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	105A
2	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	3	....	....	....	105B
....	2	1	....	....	1	....	....	....	....	2	....	1	1	....	1	....	22	1	....	....	106
....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	8	....	....	....	106A
....	2	....	....	....	1	....	....	....	....	1	....	....	....	....	1	....	11	1	....	....	106B
....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	3	....	....	....	106C
10	54	6	3	5	40	4	1	8	12	11	4	4	5	8	9	13	293	5	16	10	107
10	54	6	3	5	40	4	1	8	12	11	4	4	5	8	9	13	293	5	16	10	107A
9	32	5	3	5	30	3	2	6	5	11	4	7	3	3	4	6	160	3	26	5	108
3	7	....	....	....	3	....	....	1	2	....	2	....	....	4	4	1	26	1	5	1	109
1	3	1	1	....	3	1	....	1	....	2	2	....	1	....	....	....	16	....	1	..	110
....	3	....	....	2	....	....	....	3	1	1	1	....	1	1	2	....	17	1	....	....	111
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	....	....	....	111A
....	2	....	....	2	....	....	....	3	1	1	1	....	1	1	2	....	12	1	....	....	111B
1	4	3	....	1	7	....	....	2	....	3	....	4	1	3	4	....	29	1	5	1	112
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	113
1	....	....	....	1	1	....	....	1	....	1	1	1	1	....	....	1	10	....	2	1	114
1	....	....	....	1	....	....	....	1	....	....	....	1	1	....	....	1	1	....	....	1	114A
....	....	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	9	....	2	....	114C
33	66	17	7	20	141	18	27	28	27	34	21	11	19	17	25	14	419	14	80	23	
1	4	....	....	3	5	3	1	2	2	1	1	....	1	....	3	....	31	....	3	2	115
....	1	....	....	1	3	3	....	1	....	1	....	....	....	....	....	....	12	....	....	1	115A
1	1	....	....	1	....	....	1	....	....	....	1	....	....	....	1	....	8	....	....	1	115B
....	2	....	....	1	2	....	....	1	2	....	....	....	1	....	2	....	11	....	3	....	115C
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	116
5	12	4	1	4	13	4	1	3	3	6	5	2	3	5	1	1	86	2	15	5	117
4	10	3	....	3	5	4	....	2	2	3	2	1	1	3	....	1	25	1	5	3	117A
1	2	1	1	1	8	....	1	1	1	3	3	1	2	2	1	....	61	1	10	2	117B
....	1	....	....	....	2	....	....	....	1	....	....	....	....	....	....	1	4	....	....	....	118
1	5	1	....	1	20	3	6	2	3	5	....	3	4	....	10	4	24	....	12	1	119
3	5	1	2	3	9	1	3	1	1	1	1	....	3	1	....	....	26	1	4	2	120
1	2	1	2	1	8	1	3	1	1	1	....	....	2	....	....	....	9	1	....	1	120A
2	3	....	....	2	1	....	....	....	....	....	1	....	1	1	....	....	17	....	4	1	120B
5	8	3	2	2	21	3	10	8	4	8	4	2	3	3	6	2	59	3	18	3	121
4	15	5	1	5	31	2	5	4	4	5	4	3	....	5	2	3	65	2	7	6	122
....	9	2	1	3	11	1	1	2	3	1	3	1	....	1	2	2	33	2	3	3	122A
4	6	3	....	2	20	1	4	2	1	4	1	2	....	4	....	1	32	....	4	3	122B
....	1	....	....	....	1	....	....	....	1	....	....	....	....	1	....	....	23	1	2	....	123
4	2	2	1	1	11	....	....	2	3	3	....	....	4	....	1	....	31	1	5	1	124
1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	3	....	2	1	124A
3	2	2	1	1	11	....	....	2	3	3	....	....	3	....	1	....	28	1	3	....	124B
1	1	....	....	....	2	....	1	1	1	....	....	....	1	....	....	....	11	....	1	....	125
....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	5	....	....	....	125A
1	1	....	....	....	2	....	1	1	....	....	....	....	1	....	....	....	6	....	1	....	125B

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
126. Biliary calculi	79	3	2	2	....	....	....	....	1	7	6	....
127. Other diseases of the gall-bladder and biliary passages	88	1	1	3	2	....	2	....	....	2	1	....
128. Diseases of the pancreas	18	....	1	....	....	....	....	1	....	2	....	....
129. Peritonitis, cause not specified	10	....	....	....	....	....	1	....	....	....	....	....
Class X.—Diseases of the Genito-Urinary System												
Total	1,439	40	29	35	18	1	14	18	33	120	45	7
130. Acute nephritis (including unspecified, under 10 years of age)	38	1	1	....	....	....	....	1	1	3	....	....
131. Chronic nephritis	658	25	10	15	10	1	5	13	16	49	21	5
132. Nephritis, unspecified (10 years and over)	204	5	7	6	3	....	5	3	6	13	6	....
133. Other diseases of the kidneys and ureters	95	....	3	1	....	....	....	....	1	12	4	....
134. Calculi of the urinary passages	48	....	....	1	1	....	....	....	....	3	2	....
135. Diseases of the bladder (tumours excepted)	47	1	2	2	1	....	2	....	....	6	....	....
136. Diseases of the urethra, urinary abscess, etc.	20	2	....	....	....	....	....	....	....	....	3	....
136A. Stricture of the urethra	16	2	....	....	....	....	....	....	....	....	2	....
136B. Others under this title	4	....	....	....	....	....	....	....	....	....	1	....
137. Diseases of the prostate	284	6	6	9	3	....	2	....	8	26	6	2
138. Diseases of the male organs (not specified as venereal)	5	....	....	....	....	....	....	1	....	....	....	....
139. Diseases of the female genital organs (not specified as venereal)	40	....	....	1	....	....	....	....	1	8	3	....
139A. Of the ovary, Fallopian tube and parametrium	17	....	....	1	....	....	....	....	1	1	3	....
139B. Of the uterus	19	....	....	....	....	....	....	....	....	6	....	....
139C. Of the breast	2	....	....	....	....	....	....	....	....	1	....	....
139D. Others under this title	2	....	....	....	....	....	....	....	....	....	....	....
Class XI.—Diseases of Pregnancy, Childbirth and the Puerperal State												
Total	179	1	3	4	1	....	4	2	3	18	1	2
140. Abortion with septic conditions	32	....	1	....	....	....	2	1	1	3	....	....
140A. Abortion	18	....	1	....	....	....	....	1	1	....	....	....
140B. Self-induced abortion	14	....	....	....	....	....	2	....	....	3	....	....
141. Abortion without mention of septic conditions (haemorrhage included)	8	....	....	....	....	....	....	....	....	....	....	....
141A. Abortion	4	....	....	....	....	....	....	....	....	....	....	....
141B. Self-induced abortion	4	....	....	....	....	....	....	....	....	....	....	....
142. Ectopic gestation	9	....	....	....	....	....	1	....	1	1	....	....
142A. With septic conditions	1	....	....	....	....	....	....	....	....	....	....	....
142B. Without mention of septic conditions	8	....	....	....	....	....	1	....	1	1	....	....
143. Other accidents of pregnancy (haemorrhage excluded)	3	....	....	....	....	....	....	....	....	....	....	....
144. Puerperal haemorrhage	23	....	....	2	....	....	....	....	1	2	....	....
144A. Placenta praevia	7	....	....	1	....	....	....	....	....	1	....	....
144B. Other haemorrhages	16	....	....	1	....	....	....	....	1	1	....	....
145. Puerperal septicaemia (not specified as due to abortion)	36	....	....	1	1	....	1	....	....	5	....	1
145A. Puerperal septicaemia and pyaemia	36	....	....	1	1	....	1	....	....	5	....	1
146. Puerperal albuminuria and eclampsia	21	....	....	1	....	....	....	....	....	1	....	....
147. Other toxaemias of pregnancy	10	...	....	....	....	....	....	1	....	1	....	1
148. Puerperal phlegmasia alba dolens, embolism or sudden death (not specified as septic)	23	....	1	....	....	....	....	....	....	4	1	....
148A. Phlegmasia alba dolens and thrombosis	6	....	....	....	....	....	....	....	....	1	....	....
148B. Embolism	10	....	1	....	....	....	....	....	....	1	1	....
148C. Sudden death	7	....	....	....	....	....	....	....	....	2	....	....
149. Other accidents of childbirth	14	1	1	....	....	....	....	....	....	1	....	....
149A. Caesarean operation	7	1	....	....	....	....	....	....	....	1	....	....
149C. Dystocia	4	....	1	....	....	....	....	....	....	....	....	....
149D. Rupture of uterus in parturition	2	....	....	....	....	....	....	....	....	....	....	....
149E. Others under this title	1	....	....	....	....	....	....	....	....	....	....	....
Class XII.—Diseases of the Skin and Cellular Tissue												
Total	48	....	1	1	....	....	2	1	...	7	1	...
151. Carbuncle	14	....	....	1	....	....	....	....	....	3	1	...
152. Cellulitis, acute abscess	23	....	1	....	....	....	1	....	....	4	....	....
153. Other diseases of the skin and annexa and of the cellular tissue	11	...	....	....	....	....	1	1	....	....	....	....

OF 10,000 POPULATION AND OVER—ONTARIO, 1939—Continued

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
7	4	....	....	1	8	....	....	2	1	3	2	....	....	1	1	1	21	1	5		126
1	7	1	....	....	15	2		2	3	1	4	....	....	1	1	1	24	2	8	3	127
1	1	....	....	....	2	....	....	1	....	1	....	....	....	....	.	1	7	....	....	..	128
....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	6	1	....	..	129
29	101	18	9	10	176	12	17	17	10	16	21	20	27	16	18	12	416	21	97	16	
1	2	1	....	1	5	1	1	1	1	1	....	2	....	1	....	1	11	1	....	....	130
14	62	8	6	6	97	4	6	8	4	7	14	7	13	6	5	6	154	7	46	8	131
3	8	3	....	....	24	2	3	3	....	....	1	4	7	1	7	2	51	4	24	3	132
3	3	1	....	....	12	....	1	....	....	....	1	1	....	....	1	....	43	1	6	1	133
3	2	3	1	....	4	....	1	....	....	1	1	2	1	....	....	....	17	2	1	2	134
1	1	....	....	2	2	....	1	....	1	2	1	....	1	1	....	1	19	....	....	....	135
....	1	....	1	....	1	....	....	....	....	....	1	....	....	....	....	....	9	1	1	....	136
..	1	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	7	1	1	....	136A
..	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	136B
4	19	2	1	1	27	4	4	5	3	3	2	3	5	7	3	2	102	4	15		137
....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	1	....	138
....	3	....	....	....	4	1	....	....	1	1	....	1	....	....	2	....	8	1	3	2	139
....	2	....	....	....	2	....	....	....	1	....	....	....	....	....	1	....	4	1	....	....	139A
....	1	....	....	....	2	1	....	....	....	1	....	1	....	....	....	....	2	....	3	2	139B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	139C
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	139D
5	11	2	2	7	13	2	1	5	3	3	2	2	5	2	6	1	56	....	10	2	
....	3	1	....	1	3	1	....	2	....	....	....	1	....	1	....	....	10	....	1	....	140
....	2	....	....	1	2	1	....	2	....	....	....	....	....	1	....	....	6	....	....	....	140A
....	1	1	....	....	1	....	....	....	....	....	....	1	....	....	....	....	4	....	1	....	140B
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	6	....	....	....	141
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	141A
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	....	....	....	141B
....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	3	....	....	....	142
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	142A
....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	3	....	....	....	142B
....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	143
....	2	....	....	2	4	....	....	1	....	....	....	....	....	....	2	....	4	....	3	....	144
....	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	144A
....	1	....	....	1	3	....	....	1	....	....	....	....	....	....	2	....	3	....	2	....	144B
2	....	1	....	3	....	....	....	1	2	2	....	1	1	....	2	....	11	....	....	1	145
2	....	1	....	3	....	....	....	1	2	2	....	1	1	....	2	....	11	....	....	1	145A
1	2	....	2	....	1	....	....	....	....	1	2	....	2	1	....	....	5	....	2	....	156
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	6	....	....	....	147
....	2	....	....	....	2	1	....	....	....	....	....	....	....	....	....	....	10	....	2	....	148
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	....	....	....	148A
....	1	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	4	....	....	....	148B
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	148C
2	....	....	....	1	1	....	1	....	....	....	....	....	1	....	1	....	1	....	2	1	149
1	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	1	....	149A
....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	149C
....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	149D
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	149E
....	3	....	1	1	4	....	....	....	....	....	1	1	....	1	1	1	18	2	1	....	
....	....	....	....	1	2	....	....	....	....	....	....	1	....	....	....	....	4	....	1	....	151
....	1	....	1	....	1	....	....	....	....	....	....	....	....	1	1	1	10	1	....	....	152
....	2	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	4	1	....	....	153

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF LOCOMOTION												
Total	68	1	2	....	2	....	....	1	....	5	1	....
154. Osteomyelitis	28	1	....	....	1	....	....	....	....	2	1	....
155. Other diseases of the bones (tuberculosis excepted)	20	....	1	....	....	....	....	1	....	2	....	....
156. Diseases of the joints and other organs of locomotion	20	....	1	....	1	....	....	....	....	1	....	....
156A. Of the joints (tuberculosis and rheumatism excepted)	11	....	1	....	1	....	....	....	....	....	....	....
156B. Of other organs of locomotion	9	....	....	....	....	....	....	....	....	1	....	....
CLASS XIV.—CONGENITAL MALFORMATIONS												
Total	270	8	4	5	1	....	5	1	2	14	8	4
157. Congenital malformations (stillbirths excluded)	270	8	4	5	1	....	5	1	2	14	8	4
157A. Congenital hydrocephalus	32	1	....	2	....	....	....	1	....	2	....	....
157B. Spina bifida and meningocele	68	2	1	3	1	....	2	....	....	4	3	....
157C. Congenital malformations of the heart	86	2	2	....	....	....	2	....	1	6	1	2
157B. Monstrosities	5	....	....	....	....	....	....	....	....	....	....	....
157E. Others under this title	79	3	1	....	....	....	1	....	1	2	4	2
CLASS XV.—DISEASES OF EARLY INFANCY												
Total	830	19	25	19	18	....	11	6	8	45	22	23
158. Congenital debility	27	1	....	2	....	....	....	....	....	....	1	....
159. Premature birth	552	12	19	12	14	....	5	5	4	31	11	16
160. Injury at birth	144	5	3	2	2	....	4	1	1	9	7	3
160A. With mention of caesarean operation	2	....	....	....	....	....	....	....	....	....	....	....
160B. Without mention of caesarean operation	142	5	3	2	2	....	4	1	1	9	7	3
161. Other diseases peculiar to early infancy (under 3 months)	107	1	3	3	2	....	2	....	3	5	3	4
161A. Atelectasis	46	....	....	1	....	....	2	....	2	3	1	2
161B. Icterus of the new-born	10	....	1	....	....	....	....	....	....	....	....	....
161C. Sclerema and oedema	4	....	....	....	....	....	....	....	....	....	....	1
161D. Athrepsia	4	....	....	....	....	....	....	....	....	....	....	....
161E. Others, including lack of care	42	1	2	2	2	....	....	....	1	2	2	1
161F. No cause given, no doctor in attendance	1	....	....	....	....	....	....	....	....	....	....	....
CLASS XVI.—SENILITY												
Total	139	3	5	1	1	....	1	2	1	7	5	....
162. Senility	139	3	5	1	1	....	1	2	1	7	5	....
162A. With senile dementia (70 years and over)	26	1	1	....	....	....	1	1	....	....	2	....
162B. Without senile dementia (70 years and over)	113	2	4	1	1	....	....	1	1	7	3	....
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS												
Total	1,223	25	29	28	27	1	10	8	9	97	25	23
163–171. Suicides	156	1	1	3	2	....	1	1	1	17	....	2
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	29	....	....	....	....	....	....	....	....	6	....	...
164. Suicide by poisonous gas	28	....	....	....	....	....	....	....	1	....	....	...
165. Suicide by hanging or strangulation	31	1	....	2	....	....	....	....	....	3	....	1
166. Suicide by drowning	20	....	1	1	1	....	1	....	....	2	....	...
167. Suicide by firearms	23	....	....	....	1	....	....	....	....	4	....	...
168. Suicide by cutting or piercing instruments	12	....	....	....	....	....	....	1	....	1	....	1
169. Suicide by jumping from high places	9	....	....	....	....	....	....	....	....	....	....	....
170. Suicide by crushing	2	....	....	....	....	....	....	....	....	1	....	....
171. Suicide by other means	2	....	....	....	....	....	....	....	....	....	....	....
173–175. Homicides	20	....	....	1	1	....	1	....	....	2	....	....
173. Homicide by firearms	4	....	....	1	....	....	....	....	....	....	....	....
174. Homicide by cutting or piercing instruments	1	....	....	....	....	....	....	....	....	....	....	....
175. Homicide by other means	15	....	....	....	1	....	1	....	....	2	....	....

OF 10,000 POPULATION AND OVER—ONTARIO, 1939—Continued

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
....	4	2	1	....	8	2	....	1	2	....	1	....	....	2	1	....	29	....	2	1	
....	1	1	....	....	3	2	....	....	....	....	....	....	....	....	1	....	15	....	....	....	154
....	1	....	1	....	1	....	....	1	2	....	1	....	....	2	....	....	5	....	1	1	155
....	2	1	....	....	4	....	....	....	....	....	....	....	....	....	....	....	9	....	1	....	156
....	2	1	....	....	3	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	156A
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	6	....	1	....	156B
4	17	2	1	5	20	5	2	4	9	4	3	....	6	7	7	2	95	5	17	3	
4	17	2	1	5	20	5	2	4	9	4	3	....	6	7	7	2	95	5	17	3	157
....	1	....	....	....	2	1	....	2	....	....	....	....	1	1	4	1	11	1	....	1	157A
....	1	2	....	1	5	....	1	2	4	1	2	....	....	2	2	....	24	....	5	....	157B
2	9	....	....	3	6	3	1	....	2	3	1	....	1	1	1	....	31	1	5	....	157C
1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	157D
1	5	....	1	....	7	1	....	....	3	....	....	....	4	3	....	1	28	3	7	1	157E
15	36	9	12	9	97	17	9	17	16	15	3	13	17	7	40	28	223	10	35	6	
1	2	1	2	....	6	1	1	....	2	....	....	1	....	....	1	1	1	....	2	1	158
10	22	6	5	8	64	10	6	12	10	10	2	9	13	6	29	19	155	7	16	4	159
3	8	....	3	1	12	4	2	3	2	3	1	2	4	....	7	2	32	3	14	1	160
....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	160A
3	8	....	3	1	12	4	2	3	1	3	1	2	4	....	7	2	31	3	14	1	160B
1	4	2	2	....	15	2	....	2	2	2	....	1	....	1	3	6	35	....	3	....	161
....	1	1	....	....	4	2	....	....	1	....	....	....	....	....	....	2	22	....	2	....	161A
....	1	1	....	....	2	....	....	....	....	1	....	....	....	....	2	....	2	....	....	....	161B
....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	161C
....	....	....	1	....	2	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	161D
1	2	....	1	....	4	....	....	2	1	1	....	1	....	1	....	4	10	....	1	....	161E
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161F
1	8	....	....	2	17	5	3	12	....	8	2	2	2	6	1	1	32	1	4	6	
1	8	....	....	2	17	5	3	12	....	8	2	2	2	6	1	1	32	1	4	6	162
....	4	....	....	....	2	2	2	....	....	2	1	....	....	....	....	....	4	1	2	....	162A
1	4	....	....	2	15	3	1	12	....	6	1	2	2	6	1	1	28	....	2	6	162B
18	80	21	7	14	91	15	20	19	23	30	20	15	13	20	37	25	383	10	65	15	
1	10	3	....	1	11	1	1	1	2	4	2	1	1	1	....	4	64	1	16	2	163–171
....	3	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	12	1	4	1	163
....	....	....	....	....	4	....	1	....	....	....	....	....	....	....	....	....	21	....	1	....	164
....	2	....	....	1	1	....	....	....	....	3	....	1	1	1	....	2	9	....	3	....	165
....	....	1	....	....	2	....	....	....	....	1	1	....	....	....	....	....	6	....	3	....	166
1	3	....	....	....	4	....	....	....	1	....	1	....	....	....	....	1	5	....	2	....	167
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	4	....	3	1	168
....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	....	....	....	169
....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	170
....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	171
....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	2	1	7	1	2	....	173–175
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	173
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	174
....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	5	1	2	....	175

TABLE 41—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES,

CAUSES OF DEATH	Total	Belleville	Brantford	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston	Kirkland Lake
176–198. Other violent deaths	1,047	24	28	24	24	1	8	7	8	78	25	21
177. Food poisoning	2	....	....	....	....	....	....	....	....	....	....	....
178. Accidental absorption of toxic gases	26	....	2	1	....	....	....	3	....	4	1	....
179. Other acute accidental poisonings (except by gas)	9	....	....	....	2	....	....	....	....	....	....	....
180. Conflagration	20	1	....	....	....	....	....	....	....	2	....	1
181. Accidental burns (conflagration excepted)	46	....	1	2	1	....	....	....	....	2	1	....
182. Accidental mechanical suffocation	23	....	....	....	1	....	1	....	....	1	....	2
183. Accidental drowning	54	1	1	1	2	....	1	....	....	3	1	....
184. Accidental injury by firearms	6	....	....	....	....	....	1	....	....	....	....	....
185. Accidental injury by cutting or piercing instruments	11	....	....	2	....	....	....	....	....	....	....	....
186. Accidental injury by fall, crushing or landslide	777	20	24	16	17	1	4	3	8	64	19	17
188. Injuries by animals	5	1	....	....	....	....	....	....	....	....	....	....
190. Excessive cold	2	....	....	....	....	....	1	....	....	....	....	....
191. Excessive heat	13	....	....	....	....	....	....	....	....	....	....	....
193. Accidents due to electric currents	11	....	....	....	....	....	....	....	....	....	....	1
194. Other accidents	35	1	....	2	1	....	....	1	....	2	3	....
194A. Foreign body	5	....	....	....	....	....	....	....	....	....	....	....
194B. Others under this title	30	1	....	2	1	....	....	1	....	2	3	....
195. Violent deaths of which the nature (accident, suicide, homicide) is unknown	5	....	....	....	....	....	....	....	....	....	....	....
196. Capital punishment	2	....	....	....	....	....	....	....	....	....	....	....
CLASS XVIII.—ILL-DEFINED CAUSES OF DEATH												
Total	22	....	....	....	3	....	....	....	1	....	1	....
199. Sudden death	8	....	....	....	3	....	....	....	....	....	1	....
200. Cause of death not specified or ill-defined	14	....	....	....	....	....	....	....	1	....	....	....

SPECIAL CLASSES OF ACCIDENTAL DEATHS FOR

(Included also under the numbers of the

A. Accidents in mines and quarries	17	....	....	....	....	....	1	....	....	....	....	11
B. Accidents caused by machines	30	2	1	3	....	....	....	....	....	....	1	1
C. Railway accidents	27	1	2	1	1	....	1	....	2	2	....	1
D. Street-car accidents	12	....	....	....	....	....	....	....	....	1	....	....
E. Automobile and motorcycle accidents	324	8	12	13	11	....	1	1	3	35	9	4
F. Other land transportation	14	1	....	....	....	....	....	....	1	1	1	....
G. Water transportation	6	....	....	....	....	....	....	....	....	1	1	....
H. Air transportation	1	....	....	....	....	....	....	....	....	....	....	....

OF 10,000 POPULATION AND OVER—ONTARIO, 1939 -Continued

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
17	70	18	7	13	80	14	19	18	21	26	17	13	12	19	35	20	312	8	47	13	176–198
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	177
1	....	....	....	....	2	....	....	....	....	....	....	....	....	1	....	....	10	....	1	....	178
....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	1	4	....		....	179
....	1	....	1	....	....	....	....	4	....	....	....	....	....	1	6	1	2	....	....	....	180
2	4	1	....	1	6	1	....	....	....	2	....	....	....	....	1	3	16	1	1	....	181
....	....	....	....	1	2	....	....	....	....	2	....	....	....	....	3	1	8	....	1	....	182
....	1	1	....	2	4	1	3	1	4	1	....	....	3	1	4	3	13	....	2	....	183
....	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	184
1	2	....	....	....	....	....	....	....	1	....	....	....	1	1	....	1	1	....	1	....	185
12	56	14	3	9	58	12	14	12	14	18	17	11	7	14	18	9	233	6	38	9	186
....	....	....	....	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	188
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	190
....	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	1	7	....	1	1	191
1	1	1	....	....	....	....	....	....	....	1	....	1	....	....	....	....	5	....	....	....	193
....	2	1	....	....	4	....	2	1	1	1	....	....	1	....	2	....	9	....	1	....	194
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	194A
....	1	1	....	....	3	....	2	1	1	1	....	....	1	....	2	....	6	....	1	....	194B
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	2	....	1	....	195
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	198
....	2	....	....	....	3	1	1	1	1	2	....	1	1	....	....	....	3	1	....	....	
....	....	....	....	....	....	....	1	....	....	2	....	....	....	....	....	....	....	1	....	....	199
....	2	....	....	....	3	1	....	1	1	....	....	1	1	....	....	....	3	....	....	....	200

CITIES, TOWNS AND VILLAGES OF 10,000 POPULATION AND OVER

International List above), Ontario, 1939

....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	....	....	....	....	A
1	2	1	....	....	1	....	1	3	....	....	1	1	2	....	2	3	3	....	1	....	B
....	1	1	....	1	1	....	....	....	2	....	1	....	....	....	2	....	3	1	3	....	C
....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	8	....	....	....	D
5	16	6	1	6	26	4	4	7	5	11	4	3	3	3	9	4	82	1	22	5	E
....	....	....	....	....	....	....	....	1	4	....	1	....	....	....	1	....	2	1	....	....	F
....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	3	....	....	....	G
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	H

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
Total	37,530	55	466	680	473	2,087	540	156	190	255	580	1,286	702	181	178	700	253	61	213	721	563	223	729	628	409
CLASS I.—INFECTIOUS AND PARASITIC DISEASES.																									
Total	2798	6	40	55	29	183	43	8	11	14	39	100	57	32	13	45	17	6	21	53	35	22	57	46	28
1. Typhoid fever	16	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...
2. Paratyphoid fever	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Undulant fever	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
7. Measles	44	...	...	...	...	3	2	...	...	...	1	1	...	...	...	...	2	...	...	...	...	...	...	...	...
8. Scarlet fever	53	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	...	...
9. Whooping-cough	75	...	2	...	...	8	1	...	1	...	2	6	1	...	...	...	...	...	...	4	...	...	...	1	...
10. Diphtheria	13	...	...	1	...	2	...	...	...	...	...	3	...	...	...	...	...	1	...	...	...	...	1	...	...
11. Influenza	1190	5	15	31	24	60	9	6	6	11	25	40	29	10	10	36	10	3	14	26	28	7	45	27	19
11A. Sole cause	84	...	...	1	1	6	1	1	...	...	1	4	1	...	2	2	...	1	3	1	2	4	4	1	2
11B. With bronchitis	52	...	1	2	2	3	1	...	...	...	3	2	...	2	...	1	...	...	1	2	1	...	2	...	...
11C. With pneumonia	551	3	7	14	10	18	4	3	1	5	15	16	18	3	4	10	4	1	9	11	11	1	22	13	8
11D. With other diseases of the respiratory system	74	...	...	1	...	7	...	1	...	1	2	1	1	...	1	4	1	...	...	2	2	...	4	1	...
11E. With intestinal complications	48	1	1	1	2	6	...	...	1	...	...	...	1	...	1	1	...	...	...	...	2	1	...	1	5
11F. With other causes	381	1	6	12	9	20	3	1	4	5	4	17	8	5	2	18	5	1	1	10	10	1	13	11	4
13. Dysentery	27	...	...	...	...	...	4	...	...	...	1	...	...	...	...	...	...	1	...	4	...	1	1	...	1
15. Erysipelas	25	...	1	2	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...
16. Poliomyelitis and polioencephalitis (acute)	23	...	...	...	...	2	1	...	...	...	1	3	...	...	...	...	...	...	...	...	...	...	...	4	...
17. Lethargic or epidemic encephalitis	15	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1	...	1	1	...
18. Epidemic cerebrospinal meningitis	18	...	...	...	...	2	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
22. Tetanus	11	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
23–32. Tuberculosis	1085	1	17	18	4	84	23	1	3	1	6	33	21	22	3	8	3	1	5	15	3	10	2	6	7
23. Tuberculosis of the respiratory system	936	...	15	17	4	68	16	1	3	...	6	32	19	21	3	5	3	1	5	11	1	8	2	4	6
24. Tuberculosis of the meninges and central nervous system	58	...	1	1	...	6	4	...	...	...	...	...	1	...	...	...	...	...	...	2	1	1	...	...	1
25. Tuberculosis of the intestines and peritoneum	27	1	...	...	...	3	2	...	...	1	...	...	...	1	...	1	...	...	...	...	...	1	...	1	...
26. Tuberculosis of the vertebral column	23	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
27. Tuberculosis of the bones and joints (vertebral column excepted)	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27A. Of bones	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27B. Of joints	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29. Tuberculosis of the lymphatic system (bronchial, mesenteric and retroperitoneal glands excepted)	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
30. Tuberculosis of the genito-urinary system	19	...	1	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...
32. Disseminated tuberculosis	14	...	...	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...
32A. Acute	5	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
32C. Not specified	9	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
34. Syphilis	137	...	1	2	1	14	1	...	...	1	2	7	2	...	...	1	1	...	1	3	...	2	6	...	...
35. Gonococcus infection and other venereal diseases	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36. Purulent infection, septicaemia (non-puerperal)	32	...	2	...	...	1	...	...	...	...	...	3	1	...	...	...	...	...	...	...	1	2	...	2	1
38. Malaria	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39. Other diseases due to protozoal parasites	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42. Other diseases caused by helminths	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
43. Mycoses	4	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44. Other infectious or parasitic diseases	14	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...
44A. Chicken-pox	4	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
44C. Others under this title	10	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
535	126	587	133	1,757	235	333	389	404	650	661	260	282	595	513	263	198	135	554	134	985	395	573	601	359	311	911	758	680	2,061	8,823	
28	9	47	19	188	61	22	24	28	35	67	27	14	32	20	33	16	8	53	11	46	35	54	75	36	16	60	48	42	174	510	
1	..	...	..	2	..	1	...	...	...	...	..	...	...	...	..	..	..	...	1	...	...	...	...	..	...	...	...	...	2	2	1
...	..	...	..	...	..	...	1	...	...	...	..	...	...	...	1	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	2
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	...	...	..	...	...	...	...	...	....	5
...	..	...	..	3	..	1	...	2	...	...	2	...	...	...	..	..	..	1	..	1	1	6	...	1	...	...	1	1	3	12	7
1	..	...	..	3	1	1	...	1	2	...	1	...	...	...	..	..	..	1	..	3	...	...	...	2	...	...	...	2	1	31	8
...	..	1	..	3	..	2	3	1	...	3	3	...	3	1	1	..	..	3	..	...	...	3	...	1	...	1	2	1	9	8	9
...	..	1	..	...	..	1	1	1	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	10
17	7	26	5	49	4	9	11	14	25	49	13	10	23	12	19	10	2	40	7	23	18	10	13	5	13	30	31	28	42	129	11
4	2	1	..	2	..	...	1	2	2	1	1	...	2	...	2	2	..	6	..	1	1	...	3	..	1	...	3	1	1	7	11A
1	1	4	..	2	1	1	1	...	1	1	..	2	...	...	..	1	..	1	1	...	1	...	...	..	...	3	2	2	...	3	11B
8	2	14	2	25	2	5	5	6	14	29	4	2	10	4	9	4	..	18	2	10	12	7	7	1	9	17	17	13	22	60	11C
...	1	...	1	1	..	...	1	1	...	2	1	1	2	1	2	1	..	1	1	1	1	...	...	..	1	1	2	3	4	15	11D
1	..	2	..	2	1	1	...	...	2	1	2	...	...	3	2	..	..	1	1	...	...	...	...	1	...	1	...	1	..	2	11E
3	1	5	2	17	..	2	3	5	6	15	5	5	9	4	4	2	2	13	2	11	3	3	3	3	2	8	7	8	15	42	11F
...	..	1	..	1	..	...	...	...	...	1	..	...	...	...	..	..	..	1	..	3	...	1	...	1	...	...	...	1	2	2	13
...	..	...	..	...	..	...	...	...	...	...	..	...	1	...	..	1	..	1	1	1	...	...	...	..	...	1	3	...	...	6	15
...	..	...	..	4	..	...	...	...	...	...	..	...	1	1	..	..	1	...	..	...	...	...	...	..	...	...	...	...	...	5	16
...	1	1	..	...	..	...	...	...	1	...	..	1	1	...	..	..	..	...	..	...	...	...	1	..	...	...	...	...	1	1	17
...	..	...	..	...	1	1	...	...	...	1	..	...	...	...	1	..	1	1	..	...	...	1	...	..	...	...	...	...	2	4	18
1	..	...	..	2	..	...	...	...	...	...	..	...	...	1	..	..	1	...	..	...	1	...	...	..	...	...	...	...	...	2	22
7	1	16	13	108	55	6	5	6	4	12	8	3	3	5	7	5	2	5	2	8	15	28	52	22	3	25	5	8	105	244	23–32
5	1	14	12	97	55	1	4	6	3	10	4	3	2	3	6	5	2	5	2	7	11	20	41	20	3	22	5	6	98	212	23
1	..	...	..	3	..	4	...	...	...	1	1	...	...	2	..	..	..	...	..	...	1	3	6	..	...	1	...	1	...	16	24
1	..	...	1	2	..	...	...	...	...	...	1	...	...	...	..	..	..	...	..	...	1	1	1	1	...	2	...	...	3	2	25
...	..	1	..	1	..	...	1	...	...	...	1	...	...	...	..	..	..	...	..	...	1	2	2	1	...	...	...	1	2	4	26
...	..	...	..	...	..	...	...	...	1	...	..	...	...	...	..	..	..	...	..	...	...	1	...	..	...	...	...	...	...	2	27
...	..	...	..	...	..	...	...	...	1	...	..	...	...	...	..	..	..	...	..	...	...	1	...	..	...	...	...	...	...	....	27A
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	2	27B
...	..	...	..	...	..	...	...	...	...	1	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	2	29
...	..	1	..	2	..	1	...	...	...	...	..	...	...	...	1	..	..	...	..	...	1	...	1	..	...	...	...	...	2	4	30
...	..	...	..	3	..	...	...	...	...	...	1	...	1	...	..	..	..	...	..	1	...	1	1	..	...	...	...	...	...	2	32
...	..	...	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	1	..	...	...	...	...	...	1	32A
...	..	...	..	2	..	...	...	...	...	...	1	...	1	...	..	..	..	...	..	1	...	1	...	..	...	...	...	...	...	1	32C
...	..	1	1	7	..	...	2	2	1	...	..	...	...	...	2	..	1	...	..	5	...	4	8	4	...	1	5	1	5	42	34
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	1	..	..	...	..	...	...	...	...	..	...	...	1	...	...	1	35
1	..	...	..	2	..	...	...	1	1	1	..	...	...	...	..	..	..	...	..	...	...	1	...	..	...	...	...	...	2	10	36
...	..	...	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	38
...	..	...	..	2	..	...	...	...	1	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	2	39
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	1	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	42
...	..	...	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	43
...	..	...	..	...	..	...	1	...	...	...	..	...	...	...	..	..	..	...	..	1	...	...	1	..	...	2	...	...	...	6	44
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	...	1	..	...	...	...	...	...	1	44A
...	..	...	..	...	..	...	...	1	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	2	...	...	...	5	44C

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
CLASS II.—CANCER AND OTHER TUMOURS																									
Total	4883	7	47	83	47	290	44	19	16	33	69	159	93	16	28	87	37	6	21	57	55	23	82	58	62
45-53. Cancer and other malignant tumours	4567	7	45	73	44	274	42	18	16	32	66	152	90	15	26	81	35	6	20	57	50	23	75	53	57
45. Cancer of the buccal cavity and pharynx	154	.	2	...	2	14	..	2	1	3	3	8	3	..	..	1	1	..	1	1	1	1	2	3	...
46. Cancer of the digestive tract and peritoneum	2263	3	21	39	23	141	22	14	11	16	25	76	38	8	17	43	24	6	8	34	23	15	42	31	35
46A. Of the oesophagus	105	..	...	...	...	12	..	1	..	...	1	3	2	..	..	3	..	1	..	2	...	1	...	1	1
46B. Of the stomach and duodenum	781	..	7	10	9	38	11	6	4	7	9	24	8	2	2	17	7	1	5	10	8	8	19	16	10
46C. Of the rectum	259	..	1	8	1	20	5	1	1	1	4	10	3	1	3	2	5	1	..	4	2	4	2	5	3
46D. Of the liver and biliary ducts	267	..	4	6	1	16	3	3	3	1	4	8	6	2	3	5	...	2	...	5	6	..	3	3	7
46E. Of the pancreas	139	..	1	4	4	8	..	..	..	...	2	7	3	..	1	4	3	..	...	2	...	..	2	...	2
46F. Of the peritoneum	21	..	...	1	...	2	..	..	..	...	...	1	1	..	..	...	...	..	...	...	...	..	...	1	..
46G. Of other organs	691	3	8	10	8	45	3	3	3	7	5	23	15	3	8	12	9	1	3	11	7	2	16	5	12
47. Cancer of the respiratory organs	209	..	1	3	1	9	2	..	..	...	2	7	5	..	2	1	...	..	1	..	1	2	2	3	3
47A. Of the larynx	34	..	...	1	...	3	..	..	..	...	...	2	2	..	1	...	...	..	...	...	...	..	...	2	2
47B. Of the lung	138	..	1	2	1	6	2	..	..	...	1	3	3	..	1	1	...	..	1	...	...	2	...	1	1
47C. Of the mediastinum	11	..	...	...	...	...	..	..	..	...	1	...	...	..	..	...	...	..	...	...	1	..	...	...	.
47D. Of other organs of the respiratory system	26	..	...	...	...	...	..	..	..	...	...	2	...	..	..	...	...	..	...	...	...	..	2	...	...
48. Cancer of the uterus	341	..	10	8	2	17	5	..	..	3	8	17	12	1	1	9	3	..	1	4	2	1	5	2	3
48A. Of the uterus	204	..	5	4	1	8	4	..	..	3	6	5	6	1	1	7	3	..	1	3	2	1	1	2	3
48B. Of the cervix uteri	137	..	5	4	1	9	1	..	..	...	2	12	6	..	..	2	...	..	..	1	...	..	4	..	..
49. Cancer of other female genital organs	130	..	..	3	1	3	1	..	..	...	3	5	3	1	1	1	1	..	1	1	2	..	3	..	..
50. Cancer of the breast	532	..	3	7	6	26	4	..	..	3	9	10	5	2	1	11	4	..	3	7	9	1	7	5	8
51. Cancer of the male genito-urinary organs	424	4	4	8	6	26	3	1	..	2	9	10	7	2	2	12	2	..	1	5	5	3	6	2	6
51A. Of the bladder	105	..	2	2	2	2	..	1	..	...	1	5	1	..	..	4	1	..	..	2	...	..	1	1	...
51B. Of the kidney	37	1	1	...	...	2	..	..	..	...	...	...	1	..	..	...	...	..	...	...	...	1	1	...	...
51C. Of the prostate gland	261	3	...	5	3	21	2	..	..	2	8	4	4	2	2	8	1	..	1	3	5	2	4	1	5
51D. Of the testicles and annexa	18	..	1	1	1	1	1	..	..	...	...	1	1	..	..	...	...	..	...	...	...	..	...	...	1
51E. Of other male genito-urinary organs	3	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
52. Cancer of the skin	94	..	1	2	1	7	1	1	..	3	2	1	4	..	2	2	...	..	...	.	1	..	1	2	..
53. Cancer of other or unspecified organs	420	..	3	3	2	31	4	..	4	2	5	18	13	1	..	1	...	..	4	5	6	..	7	5	2
53A. Of the eye and orbit	15	..	...	1	...	...	..	..	..	...	...	1	2	..	..	...	...	..	...	...	...	..	...	2	...
53C. Of the glandular system	74	..	...	...	...	4	..	..	..	1	...	3	3	..	..	...	...	..	1	3	3	..	...	...	...
53D. Of the female urinary organs	89	..	1	1	1	7	2	..	2	...	3	3	..	1	..	.	..	..	..	1	2	..	3	..	1
53E. Of the bones and joints	60	.	...	...	1	6	..	..	..	...	...	2	2	..	..	...	...	..	1	..	...	..	1	..	..
53F. Of the brain	74	..	...	...	...	5	1	..	..	...	..	6	1	..	..	...	...	..	..	.	1	..	.	1	...
53G. Of the spine and spinal cord	15	..	...	...	...	...	..	..	..	...	1	1	1	..	..	...	...	..	..	...	...	..	1	..	..
53H. Of the neck	10	..	...	...	...	...	..	..	..	...	1	..	...	..	..	1	...	..	..	...	...	..	.	1	...
53I. Of the abdomen	43	..	...	1	...	6	1	..	1	...	...	2	1	..	..	...	...	..	1	1	...	..	1	..	..
53J. Of other specified organs	22	..	2	...	..	2	..	..	..	1	...	...	3	..	..	...	...	..	1	...	...	..	...	1	1
53K. Multiple cancer	16	.	...	...	...	1	..	..	1	...	...	...	...	..	..	...	...	..	...	...	...	..	1	...	.
53M. Of unspecified or unknown location	2	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
54. Non-malignant tumours	281	.	2	10	3	15	2	1	..	1	3	5	3	..	2	6	1	..	1	..	5	..	6	5	5
54A. Of the ovary	37	.	1	1	..	1	..	1	..	...	1	..	...	..	..	1	...	..	...	...	...	..	...	1	2
54B. Of the uterus	46	..	...	2	2	2	..	..	..	...	..	2	2	..	1	...	...	..	...	...	...	..	3	..	2
54D. Of the brain	41	.	...	...	...	1	1	..	..	...	1	..	...	..	..	...	...	..	...	...	...	..	1	1	...
54E. Of the thyroid gland	60	..	1	5	...	4	..	..	..	...	...	1	...	..	..	...	...	..	1	...	2	..	...	...	..
54F. Of the prostate gland	46	..	...	2	...	5	..	..	..	...	1	...	...	..	1	1	1	..	..	...	1	..	1	2	...
54G. Of other or unspecified sites	51	..	...	..	1	2	1	..	..	1	...	2	1	..	..	4	..	..	..	.	2	..	1	1	1
55. Tumours, nature not specified	35	..	...	...	...	1	..	..	..	...	...	2	..	1	..	...	1	..	..	.	...	..	1	...	...
55D. Of the brain	16	..	...	...	...	...	..	..	..	...	...	1	...	..	..	...	...	..	..	.	.	..	...	...	...
55F. Of the prostate gland	1	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	..	.	.	..	...	.	..
55G. Of other or unspecified sites	18	..	...	...	...	...	..	..	..	...	...	1	..	1	..	..	1	..	...	.	.	.	1	..	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
53	13	77	14	251	23	34	58	36	67	86	20	32	69	54	29	17	13	59	7	109	46	27	52	40	35	126	96	96	301	1504	
51	12	70	12	237	23	32	53	36	65	84	20	29	63	50	26	17	13	56	7	101	43	27	47	37	32	111	91	86	282	1397	45-53
3	..	4	..	6	1	...	2	2	2	5	2	2	3	2	1		1	.	.	2	1	.	1	1	2	2	3	1	7	49	45
27	6	27	4	118	11	20	26	17	28	37	12	14	23	22	17	8	5	23	7	45	26	12	24	17	24	66	45	53	125	659	46
2	..	...	..	4	..	1	1	..	2	2	..	1	.	..	..	..		1	..	1	..	1	3	..	2	2	4	4	8	38	46A
9	1	4	3	39	8	5	15	9	11	18	6	4	9	8	4	2	2	8	6	15	7	6	10	9	12	25	13	19	45	211	46B
3	..	2	..	12	2	1	..	4	3	4	2	1	2	1	4	..	1	2	.	10	5	..	3	.	5	5	4	4	14	78	46C
3	2	2	1	12	..	7	3	2	2	6	2	6	4	5	..	..	..	4	1	2	4	1	2	5	1	8	2	4	12	73	46D
3	..	2	.	4	1	.	1	1	6	..	..	..	1	1	1	.	..	1		4	..	..	2	1		4	3	2	4	54	46E
1	..	1	..	2	..	...	.	..	.	..	..	..	..	.		1	..	..	...	.	..		..			2	..	1	3	4	46F
6	3	16	.	45	..	6	6	1	4	7	2	2	7	7	8	5	2	7	..	13	10	4	4	2	4	20	19	19	39	201	46G
.	..	3	..	6	3	...	4	2	2	3	..	..	3	1	..	1	..	3	..	7	...	2	3	1		4	5		20	91	47
..	..	1	..	.	1	...	...	1	..	..	..	..	..	..	..	..	..	1	.	1	..	.	1		.		.		2	13	47A
..	..	1	..	5	2	..	3	1	2	3	..	..	3	..	..	1	..	1	..	4	..	2	2	1		3	5		16	57	47B
.	..	1	..	1	..	..	1	...	...	...	...	..	..	..	...	...	.	.	.	..	...		.			1	..		1	4	47C
	..	..	..	.	..	..	..			.	..	..	..	1	..	..	.	1	.	2	.						.		1	17	47D
3	2	11	2	17	..	2	5	2	6	7	..	1	4	4	.	1	2	4	.	7	2	5	2	6	3	4	2	7	20	96	48
2	2	7	2	10	.	...	2	1	4	7	..	1	3	4		1	..	2	.	5	2	2		3		4		5	10	58	48A
1	..	4	..	7	..	2	3	1	2	.	..	..	1	.	.	.	2	2		2		3	2	3	3		2	2	10	38	48B
1	1	1	..	7	2	..	2	2	6	1	..	1	2	..		1			..	5	1		3	1	.	4	5	3	10	41	49
6	1	14	1	33	3	3	5	4	7	13	1	8	16	8	2	2	.	9	..	13	4	4	6	5	.	11	15	8	34	165	50
6	..	4	3	28		4	6	3	7	9	2	.	8	3	2	2	1	6		9	5	1	4	3	1	8	4	9	34	126	51
1	..	2	1	4	..	1	1	.		.	1		1		.	...	.	2		1	.	..	2	1	.	2	..	1	13	46	51A
2	..	...	..	4	..	1	1	...	2	1	..	...	..	1	.	.		..	...	1	1	1	1	.	..	1	2	1	3	7	51B
3	..	2	2	19	..	2	3	3	5	7	1	.	5	2	2	2	1	4	.	5	4		1	1	.	5	2	6	17	71	51C
	..	..	..	1	.	.	1	..	.	1	..	..	2	..	.	.		...	...	1	..	...	.	1	..	...	.		1	2	51D
...	..	..	..	..	..		..	..	..	..	..	.	..	..	...					1	.	..	..	.	1	..		1	..	.	51E
1	..	..	.	5	1	.	..	.	3	3	..	2	1	..	..	1	.	3	.	5	..	.	2	2	1	5	1	.	4	23	52
4	2	6	2	17	2	3	3	4	4	6	3	1	3	10	4	1	4	8	..	8	4	3	2	1	1	7	11	5	28	147	53
..	..	...	..	..	..	1	.	.	1	..	..	..	.	..	..	..	..	..	..	..	..	..	..	.	..	1	..	1	2	3	53A
2	1	...	1	6	1	1	2	..	1	2	1	1	.	2	1	..	1	3		..	1	1	1	.	.	1	2	1	3	20	53C
..	..	...	.	2	..	..	1	1	2	2	..	..	..	4	1	..	.	1	.	3	1	.	.	1	..	1	2	.	8	31	53D
2	..	2	1	5	..	...	..	1	..	..	.	..	2	1	1	..	1	2		1	...		1	..	.	2	2	..	3	20	53E
..	1	1	..	..	..	1	.	..	..	1	2	..	1	1	1	..	...	1	..	2	1	2	..		.	1	2		3	38	53F
..	..	1	..	.	1	..	...	...	..	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		..		..	8	53G
.	..	2	..	1	..	.	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	3	53H
..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	..	1	..	..	..	1	..	..	..	..	.	1	1	1	5	15	53I
..	..	..	..	2	..	..	..	..	..	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	.	.	2	..	4	53J
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	.	.	2	..	4	5	53K
..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..		.		53M
2	1	7	2	13	..	2	3	.	2	2	..	3	5	2	3	..	..	2	..	8	2	..	3	3	3	14	5	10	16	92	54
1	1	2	..	1		.	1	...	..	...	..	..	1	..	.	..	..	1	..	3	..	..	1	1	1	2	3	1	2	6	54A
1	..	...	..	..	..	1	2	...	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	1	..	6	1	1	1	13	54B
...	..	...	1	1	..	..	..	..	1	1	..	..	..	..	1	..	..	1	..	2	1	...	..	..	..	..	.	3	3	21	54D
...	..	2	1	5	..	1	..	..	1	..	..	3	3	1	..	..	..	..	..	2	..	..	1			4	1	5	2	14	54E
...	..	3	..	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	2	..	.	1	20	54F
...	..	...	..	4	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	1	1	..	...	..	7	18	54G
...	..	...	..	1	..	...	2	...	..	..	..	..	1	2	..	..	..	1	..	..	1	..	2	..	..	1	...	...	3	15	55
...	..	...	..	1	..	...	...	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	1	...	...	2	8	55D
...	..	...	..	...	..	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...	...	...	...	....	55F
...	..	...	..	...	..	...	2	...	..	..	..	..	1	1	..	..	..	..	..	..	1	..	1	..	...	...	...	..	1	7	55G

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
CLASS III.—RHEUMATIC DISEASES, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS AND OTHER GENERAL DISEASES																									
Total	1123	..	13	24	24	59	18	3	8	6	18	46	17	3	1	34	10	1	6	16	16	2	20	19	7
56. Acute rheumatic fever	134	..	1	5	2	7	4	1	..	2	...	10	...	..	..	7	1	..	...	4	...	..	2	1	...
57. Chronic rheumatism, osteo-arthritis	45	..	2	1	3	...	1	..	1	...	1	...	1	..	..	...	1	..	...	3	4	..	...	...	...
58. Gout	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
59. Diabetes mellitus	657	..	6	12	9	38	1	2	5	3	12	23	8	3	1	20	8	1	4	9	8	2	14	12	4
60. Scurvy	3	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
61. Beriberi	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
62. Pellagra	3	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
63. Rickets	8	..	...	...	...	1	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	..	...	...	...
64. Osteomalacia	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	1	..	...	...	...
66. Diseases of the thyroid and parathyroid glands	173	..	1	3	7	9	2	..	2	1	2	8	5	..	..	5	...	..	2	...	3	..	2	4	2
66A. Simple Goitre	30	..	...	...	3	...	..	..	..	...	...	1	...	..	..	2	...	..	...	...	...	..	...	1	...
66B. Exophthalmic goitre	121	..	1	2	4	6	2	..	2	...	2	6	5	..	..	3	...	..	2	...	3	..	2	3	2
66C. Myxoedema, cretinism	6	..	...	...	...	...	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	..	...	...	...
66D. Tetany	5	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
66E. Others under this title	11	..	...	1	...	2	..	..	..	1	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
67. Diseases of the thymus gland	63	..	3	2	2	2	9	..	..	...	1	3	2	..	..	1	...	..	...	...	...	..	1	1	1
68. Diseases of the adrenals (Addison's disease)	9	..	...	...	...	...	..	..	..	...	1	...	...	..	..	...	...	..	...	...	...	..	...	...	...
69. Other general diseases	25	..	...	1	1	1	1	..	..	...	1	1	1	..	..	1	...	..	...	...	...	..	1	1	...
69A. Fatty or amyloid degeneration	11	..	...	...	1	...	..	..	..	...	...	1	...	..	..	1	...	..	...	...	...	..	...	...	...
69C. Others under this title	14	..	...	1	...	1	1	..	..	...	1	...	1	..	..	...	...	..	...	...	...	..	1	1	...
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS																									
Total	555	..	5	8	12	38	1	2	1	10	8	19	14	5	2	14	3	..	2	10	7	2	12	7	11
70. Haemorrhagic conditions	14	..	1	...	...	2	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	1	...	...	...
70A. Simple purpura	11	..	1	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	1	...	...	...
70B. Haemophilia	3	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
71. Anaemia	355	..	3	8	9	17	..	1	1	9	8	11	8	3	2	12	1	..	2	8	6	..	10	5	9
71A. Pernicious anaemia	311	..	3	7	9	17	..	1	1	7	8	10	8	2	2	10	1	..	1	5	6	..	9	4	9
71B. Others under this title	44	..	...	1	...	...	..	..	..	2	...	1	...	1	..	2	...	..	1	3	...	..	1	1	...
72. Leukaemia and aleukaemia	159	..	1	...	3	16	1	1	..	1	...	7	4	2	..	2	1	..	...	1	1	1	1	2	1
72A. Leukaemia	115	..	1	...	2	11	1	..	..	1	...	7	3	1	..	2	1	..	...	1	1	..	1	1	...
72B. Aleukaemia (Hodgkin's disease)	44	..	...	...	1	5	..	1	..	...	...	...	1	1	..	...	...	..	...	...	...	1	...	1	1
73. Diseases of the spleen	15	..	...	...	...	2	..	..	..	...	...	1	...	..	..	...	1	..	...	1	...	..	1	...	...
74. Other diseases of the blood and blood-forming Organs	12	..	...	...	...	1	..	..	..	...	...	...	2	..	..	...	...	..	...	...	...	..	...	...	1
CLASS V.—CHRONIC POISONINGS AND INTOXICATIONS																									
Total	56	1	2	...	...	1	1	..	..	1	...	2	2	..	..	...	...	..	...	...	...	1	...	...	...
75. Alcoholism	44	1	2	...	...	...	1	..	..	...	...	1	2	..	..	...	...	..	...	...	...	1	...	...	...
75A. Delirium tremens	3	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
75B. Other alcoholic intoxications	41	1	2	...	...	...	1	..	..	...	...	1	2	..	..	...	...	..	...	...	...	1	...	...	...
76. Chronic poisoning, by other organic substances	7	..	...	...	...	1	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	..	...	...	...
76A. Chronic morphinism	3	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
76D. Other organic poisoning	4	..	...	...	...	...	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	..	...	...	...
77. Chronic poisoning by mineral substances	5	..	...	...	...	...	..	..	..	1	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
77A. Lead (including occupational)	2	..	...	...	...	...	..	..	..	1	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
77C. Others under this title	3	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
9	3	25	6	55	6	8	12	9	16	17	7	8	16	19	6	5	3	22	4	46	18	9	21	7	6	50	27	18	49	245	
...	1	3	1	11	..	3	...	...	1	1	..	...	2	2	1	..	..	2	1	3	1	3	1	..	1	6	5	2	5	31	56
...	..	...	..	1	..	...	...	...	3	1	1	1	2	...	..	1	..	1	1	3	1	...	1	..	...	3	...	1	...	6	57
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	58
6	2	20	1	34	5	2	7	8	11	12	1	5	11	11	3	4	2	13	1	26	9	3	12	2	2	28	16	11	33	151	59
...	..	...	..	...	..	...	...	...	...	...	..	...	...	1	..	..	..	...	..	...	...	...	...	..	...	...	1	...	1	....	60
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	61
...	..	...	..	1	..	...	...	...	...	...	..	...	...	1	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	62
...	..	1	..	...	..	1	...	...	...	...	..	...	...	...	..	..	..	...	1	...	...	1	...	..	...	1	...	...	...	1	63
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	64
2	..	1	3	6	..	1	1	...	...	3	4	2	1	2	2	..	..	5	..	10	4	2	4	1	2	8	3	3	6	39	66
...	..	1	1	...	..	1	...	...	...	...	1	...	...	...	2	..	..	2	..	4	...	...	...	..	1	4	1	...	...	5	66A
2	..	...	2	6	..	...	1	...	...	3	2	1	1	1	..	..	..	3	..	6	3	...	4	1	1	4	2	2	5	26	66B
...	..	...	..	...	..	...	...	...	...	...	1	1	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	1	2	66C
...	..	...	..	...	..	...	...	...	...	...	..	...	...	1	..	..	..	...	..	...	...	2	...	..	...	...	...	...	...	1	66D
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	1	...	...	..	...	...	...	1	...	5	66E
...	..	...	..	1	..	1	3	...	1	...	1	...	...	2	..	..	1	1	..	2	1	...	2	4	...	4	1	1	1	8	67
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	...	1	..	...	...	...	...	3	3	68
1	..	...	1	1	1	...	1	1	...	...	..	...	...	...	..	..	..	...	..	1	2	...	...	..	1	...	1	...	...	4	69
...	..	...	1	1	1	...	...	1	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	1	...	1	...	...	2	69A
1	..	...	..	...	..	...	1	...	...	...	..	...	...	...	..	..	..	...	..	1	2	...	...	..	...	...	...	...	...	2	69C
13	1	4	2	20	4	4	6	3	6	9	..	5	8	8	2	4	..	5	..	13	8	2	9	5	9	10	13	9	31	149	
...	..	...	..	...	..	...	1	...	1	...	..	1	...	1	..	..	..	...	..	...	...	...	1	..	1	...	...	...	1	3	70
...	..	...	..	...	..	...	1	...	1	...	..	1	...	...	..	..	..	...	..	...	...	...	1	..	1	...	...	...	1	2	70A
...	..	...	..	...	..	...	...	...	...	...	..	...	...	1	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	70B
9	1	2	1	15	4	4	5	2	5	8	..	3	7	6	1	2	..	5	..	9	5	2	6	3	4	8	7	8	18	72	71
8	1	...	1	12	3	4	5	2	5	8	..	2	7	5	..	2	..	4	..	7	4	2	5	2	2	6	7	6	17	64	71A
1	..	2	..	3	1	...	...	...	...	...	..	1	...	1	1	..	..	1	..	2	1	...	1	1	2	2	...	2	1	8	71B
3	..	2	1	4	..	...	...	1	...	1	..	1	1	1	1	2	..	...	..	4	3	...	1	1	3	2	5	1	10	65	72
1	..	1	1	3	..	...	...	...	...	1	..	1	1	1	1	2	..	...	..	3	3	...	1	1	3	...	1	1	6	49	72A
2	..	1	..	1	..	...	...	1	...	...	..	...	...	...	..	..	..	...	..	1	...	...	...	..	...	2	4	...	4	16	72B
...	..	...	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	1	...	...	1	...	1	5	73
1	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	1	..	1	...	...	...	1	4	74
1	..	1	..	...	2	...	1	1	4	1	..	...	...	...	..	..	..	1	..	2	1	2	2	1	...	...	1	...	2	22	
1	..	1	..	...	1	...	1	1	1	1	..	...	...	...	..	..	..	1	..	2	1	2	2	1	...	...	1	...	2	17	75
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	1	...	...	..	...	...	...	...	...	2	75A
1	..	1	..	...	1	...	1	1	1	1	..	...	...	...	..	..	..	1	..	2	...	2	2	1	...	...	1	...	2	15	75B
...	..	...	..	...	..	...	...	...	2	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	3	76
...	..	...	..	...	..	...	...	...	2	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	76A
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	3	76D
...	..	...	..	...	1	...	...	...	1	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	2	77
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	77A
...	..	...	..	...	1	...	...	...	1	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	77C

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE																									
Total	1743	5	13	23	24	89	16	10	3	6	27	42	40	5	13	32	5	1	8	24	25	10	32	28	21
78. Encephalitis (non-epidemic)	36	..	...	...	...	6	1	..	..	...	...	3	2	..	..	...	...	..	...	...	...	1	...	...	1
79. Simple meningitis	53	..	1	2	...	6	4	..	..	...	...	...	1	..	..	...	...	..	...	2	...	..	...	...	...
80. Progressive locomotor ataxia (tabes dorsalis)	20	..	...	...	...	3	..	..	..	...	...	1	1	..	..	...	...	..	...	...	...	..	...	1	...
81. Other diseases of the spinal cord	119	..	1	1	1	8	..	2	..	2	...	5	5	..	3	2	...	..	...	3	2	..	5	1	...
82. Cerebral haemorrhage, cerebral embolism and thrombosis	814	2	8	12	20	39	6	5	1	2	17	16	11	3	7	16	4	..	5	13	15	2	20	18	12
82A. Cerebral haemorrhage	627	2	6	10	14	25	5	2	1	1	15	11	7	3	4	14	4	..	3	10	13	2	12	17	10
82B. Cerebral embolism and thrombosis	105	..	...	2	4	8	..	1	..	1	2	4	3	..	2	1	...	..	...	...	2	..	2	...	1
82C. Softening of the brain	7	..	...	...	...	1	..	..	..	...	...	...	1	..	..	...	...	..	...	...	...	..	...	...	...
82D. Hemiplegia and other paralysis, cause not specified	75	..	2	...	2	5	1	2	..	...	...	1	...	..	1	1	...	..	2	3	...	..	6	1	1
83. General paralysis of the insane	68	2	1	1	...	1	..	..	..	1	1	1	5	..	..	...	...	..	1	...	...	1	...	...	...
84. Dementia praecox and other psychoses	189	..	...	...	...	3	..	..	..	...	...	1	10	..	..	...	...	..	...	...	1	..	...	1	...
84A. Dementia praecox	151	..	...	...	...	...	..	..	..	...	...	1	7	..	..	...	...	..	...	...	...	..	...	1	...
84B. Other psychoses	38	..	...	...	...	3	..	..	..	...	...	...	3	..	..	...	...	..	...	...	1	..	...	...	...
85. Epilepsy	77	..	...	...	...	3	1	..	..	...	3	4	1	1	1	1	1	..	1	1	2	2	2	...	...
86. Convulsions (under 5 years of age)	21	..	...	1	...	...	..	..	..	...	1	...	...	..	..	...	...	..	...	...	...	1	...	...	...
87. Other diseases of the nervous system	253	1	2	4	3	15	1	3	2	1	5	5	4	1	2	10	...	..	1	4	4	1	3	7	8
87A. Chorea	7	..	...	...	...	2	..	..	..	...	...	...	...	..	..	...	...	..	...	...	1	..	...	...	...
87B. Neuralgia and neuritis	17	..	...	...	...	2	..	..	..	...	2	...	...	..	..	...	...	..	...	...	...	..	1	...	...
87C. Paralysis agitans	99	..	...	3	2	7	..	..	1	1	3	2	2	1	..	2	...	..	...	2	1	..	1	2	2
87D. Sclerosis (other than of the spinal cord)	84	1	1	1	1	3	..	2	1	...	...	1	1	..	2	5	...	..	1	1	2	1	1	2	4
87E. Others under this title	46	..	1	...	...	1	1	1	..	...	...	2	1	..	..	3	...	..	...	1	...	..	...	3	2
88. Diseases of the organs of vision	12	..	...	1	...	1	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	1	...	...	...
89. Diseases of the ear and mastoid process	81	..	...	1	...	4	3	..	..	...	...	5	...	..	..	3	...	1	...	1	1	1	2	...	...
89A. Otitis	45	..	...	...	...	1	3	..	..	...	...	4	...	..	..	1	...	1	...	...	1	1	2	...	...
89B. Diseases of the mastoid process	35	..	...	1	...	3	..	..	..	...	...	1	...	..	..	2	...	..	...	1	...	..	...	...	...
89C. Others under this title	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM																									
Total	13098	19	149	252	183	695	92	67	82	102	253	416	238	67	66	251	108	27	94	231	238	62	282	239	126
90–95. Diseases of the heart	7705	12	95	165	101	413	64	26	49	48	145	264	140	39	36	131	49	16	54	121	142	46	139	131	66
90. Pericarditis	12	..	1	...	...	3	..	..	..	...	...	...	...	..	..	...	1	..	...	...	...	..	...	...	...
91. Acute endocarditis	90	..	...	...	2	11	..	..	2	1	1	5	3	..	1	1	1	..	1	2	1	1	1	3	1
91A. Endocarditis specified as acute	72	..	...	...	1	10	..	..	2	1	1	2	3	..	..	1	1	..	1	2	1	..	1	2	...
91B. Endocarditis, unspecified (under 45 years of age)	18	..	...	...	1	1	..	..	..	...	...	3	...	..	1	...	...	..	...	...	...	1	..	1	1
92. Chronic endocarditis, valvular diseases	881	2	22	18	24	48	6	2	6	7	17	19	10	21	7	20	10	1	6	10	15	11	27	10	5
92A. Endocarditis specified as chronic and other valvular diseases	728	2	14	17	21	38	5	2	5	7	15	16	10	7	5	19	7	1	6	10	14	10	22	10	4
92B. Endocarditis, unspecified (45 years and over)	153	..	8	1	3	10	1	..	1	...	2	3	...	14	2	1	3	..	...	..	1	1	5	...	1
93. Diseases of the myocardium	2322	4	42	53	30	122	18	5	26	13	46	77	39	9	8	43	15	10	20	45	48	9	33	30	21
93A. Acute myocarditis	100	..	3	7	...	8	..	..	5	...	3	5	2	1	..	..	1	..	2	1	...	1	1	1	...
93B. Myocarditis, unspecified (under 45 years of age)	34	..	...	...	...	3	..	..	1	...	...	2	...	..	1	1	1	..	...	1	...	1	...	1	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
35	3	28	4	101	5	15	13	24	69	28	13	10	29	28	8	6	7	27	9	43	15	19	16	10	14	31	19	25	110	477	
...	..	1	..	...	..	...	...	...	...	...	..	1	...	1	1	..	..	...	1	...	...	1	1	..	...	2	...	...	2	11	78
...	..	1	..	2	..	...	...	...	...	..	..	...	...	1	2	..	..	5	..	...	3	1	1	2	...	1	...	1	3	14	79
...	..	...	..	2	..	1	...	...	...	...	..	...	...	...	..	..	..	1	..	...	...	...	1	..	...	...	1	...	2	6	80
...	..	1	..	6	..	...	...	...	9	1	.	...	4	1	..	..	..	...	..	1	2	1	1	1	1	4	3	1	8	33	81
14	2	14	2	40	2	5	10	16	10	13	9	8	17	20	2	4	4	14	5	16	7	9	10	4	7	20	9	16	32	219	82
11	2	13	2	28	1	4	7	13	5	12	4	8	12	17	2	4	4	8	3	16	6	6	10	4	4	16	6	14	23	171	82A
1	..	1	..	9	1	1	3	1	2	1	..	...	2	3	..	..	..	1	..	...	...	2	...	..	...	1	3	1	5	34	82B
...	..	...	..	...	..	...	...	...	...	...	..	...	2	...	..	..	..	...	..	...	...	...	...	..	1	...	...	...	2	...	82C
2	..	...	..	3	..	...	...	2	3	.	5	...	1	...	..	..	..	5	2	...	1	1	...	..	2	3	...	1	2	14	82D
2	..	1	..	11	..	...	...	...	8	1	..	...	...	1	..	..	..	...	..	1	...	...	...	..	...	...	...	...	7	21	83
17	..	2	..	15	..	1	...	1	33	7	1	...	1	...	..	..	..	...	..	3	...	1	1	..	...	1	...	...	38	51	84
12	..	...	..	15	..	1	...	...	23	6	..	...	1	...	..	..	..	...	..	1	...	...	...	..	...	1	...	...	34	48	84A
5	..	2	..	...	..	...	...	1	10	1	1	...	...	...	..	..	..	...	..	2	...	1	1	..	...	...	...	...	4	3	84B
..	..	...	..	1	1	2	1	3	1	4	2	1	3	...	..	1	2	4	..	4	1	1	...	2	1	...	...	1	6	11	85
...	..	2	2	1	1	3	1	..	...	...	1	...	...	...	1	..	1	...	..	...	...	2	...	..	...	...	1	...	.	2	86
1	1	6	..	15	1	3	1	3	7	2	..	...	3	3	2	1	..	3	2	12	2	1	...	1	4	3	3	5	5	76	87
...	..	...	..	3	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...		1	87A
...	..	1	..	...	..	...	...	...	1	...	..	...	...	1	1	..	..	...	..	...	...	...	...	..	...	1	...	1	...	6	87B
...	1	3	..	7	..	1	1	2	2	1	..	...	1	...	..	..	..	3	1	3	...	1	...	..	1	1	2	4	2	30	87C
...	..	1	..	4	1	2	...	...	...	1	..	...	2	...	..	1	..	...	..	...	1	...	...	..	3	1	1	..	3	32	87D
1	..	1	..	1	..	...	...	1	4	...	..	...	...	2	1	..	..	...	1	9	1	...	...	1	...	...	...	...	...	7	87C
...	..	...	..	1	..	...	...	...	1	...	..	...	...	1	..	..	..	...	..	...	...	1	...	..	...	...	1	...	1	2	88
1	..	...	..	7	..	...	...	1	..	...	..	...	1	...	..	..	..	...	1	6	...	1	1	..	1	..	1	1	6	31	89
...	..	...	..	4	..	...	...	...	...	...	..	...	1	...	..	..	..	...	1	3	...	...	1	..	1	...	1	1	4	14	89A
1	..	...	..	3	..	...	...	1	...	...	..	...	...	...	..	..	..	...	..	3	...	1	...	..	...	...	...	...	2	16	89B
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	1	89C
223	56	185	41	550	73	87	153	165	237	223	83	126	245	202	65	77	33	186	32	371	105	140	180	81	121	330	254	242	721	3172	
94	30	103	27	330	42	57	74	98	126	127	51	69	162	123	39	48	24	115	23	186	69	98	121	53	78	191	133	149	387	1986	90-95
...	..	...	..	2	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	2	...	..	...	...	...	...	2	1	90
1	..	...	..	1	..	1	3	1	...	1	2	...	...	...	1	..	..	2	..	2	...	...	1	..	...	2	...	1	3	30	91
1	..	...	..	1	..	1	3	1	...	1	1	...	...	...	1	..	..	2	..	1	...	...	1	..	...	2	...	1	3	23	91A
...	..	...	..	...	..	...	...	...	...	...	1	...	...	...	..	..	..	...	..	1	...	...	...	..	...	...	...	...	...	7	91B
13	3	8	2	25	2	11	8	10	12	13	5	8	15	19	6	11	4	35	3	32	14	11	19	3	11	19	18	28	32	157	92
9	3	5	2	23	2	7	5	10	12	9	5	8	15	19	1	10	4	15	3	30	9	9	16	3	10	13	16	27	25	136	92A
4	..	3	..	2	..	4	3	...	...	4	..	...	...	...	5	1	..	20	..	2	5	2	3	..	1	6	2	1	7	21	92B
30	15	35	15	129	16	14	24	38	40	55	22	19	47	54	14	16	4	40	9	51	28	32	15	21	27	53	28	48	119	498	93
2	1	4	3	8	..	...	...	...	...	1	..	1	4	2	1	3	..	...	..	...	1	1	...	1	1	3	2	2	3	15	93A
1	..	1	..	5	..	...	...	...	...	1	..	1	...	...	..	..	...	...	..	1	2	...	1	1	...	1	...	2	2	3	93B

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
93C. Chronic myocarditis and myocardial degeneration	1404	3	17	33	12	68	8	3	8	12	33	41	28	3	5	30	7	8	7	27	33	3	20	19	10
93D. Myocarditis, unspecified (45 years and over)	784	1	22	13	18	43	10	2	12	1	10	29	9	5	2	12	6	2	11	16	15	4	12	9	11
94. Diseases of the coronary arteries and angina pectoris	4046	5	28	91	43	213	30	17	10	27	76	148	83	6	18	58	22	5	25	54	68	24	73	84	37
94A. Diseases of the coronary arteries	154	..	1	4	...	1	3	2	..	...	1	10	2	1	..	3	...	..	...	...	...	2	2	5	3
94B. Embolism and thrombosis of the coronary arteries	3547	4	15	80	39	200	25	13	9	23	68	123	77	3	14	52	21	5	21	51	58	20	66	71	31
94C. Angina pectoris	345	1	12	7	4	12	2	2	1	4	7	15	4	2	4	3	1	..	4	3	10	2	5	8	3
95. Other diseases of the heart	354	1	2	3	2	16	10	2	5	...	5	15	5	3	2	9	...	..	2	10	10	1	5	4	2
95A. Functional diseases of the heart	73	..	...	...	...	5	2	..	1	...	2	1	1	1	..	5	...	..	...	3	...	..	3	1	2
95B. Other and unspecified	281	1	2	3	2	11	8	2	4	...	3	14	4	2	2	4	...	..	2	7	10	1	2	3	...
96. Aneurysm (except of the heart)	63	..	...	2	...	6	..	..	..	...	1	2	...	..	2	...	...	..	...	2	2	..	1	2	1
97. Arteriosclerosis (of coronary arteries excepted)	4220	5	44	65	69	221	12	34	23	50	90	114	83	20	24	99	51	7	36	79	69	13	100	91	54
98. Gangrene	112	..	3	3	2	5	..	1	..	1	3	4	5	..	..	5	...	..	1	5	4	..	2	3	1
99. Other diseases of the arteries	52	..	...	...	1	2	1	..	..	1	...	1	...	..	1	1	...	..	...	2	5	..	1	1	...
100. Diseases of the veins (varices, haemorrhoids, phlebitis, etc.)	82	..	2	1	2	...	2	2	..	...	1	2	2	..	..	2	1	..	...	2	2	1	1	1	...
101. Diseases of the lymphatic system (lymphangitis, etc.)	7	..	1	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
102. Idiopathic abnormalties of blood pressure	854	2	4	16	8	48	12	4	10	2	13	29	8	8	3	13	7	4	3	19	14	2	38	10	4
103. Other diseases of the circulatory system	3	..	...	...	...	...	1	..	..	...	...	...	...	..	..	...	...	..	...	1	...	..	...	...	...
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM																									
Total	2711	2	33	39	20	103	58	11	13	13	32	70	45	15	14	55	18	8	17	63	35	13	38	47	28
104. Diseases of the nasal fossae and annexa	27	..	...	...	...	2	..	..	..	...	...	1	...	1	..	...	...	..	...	...	...	1	1	1	1
105. Diseases of the larynx	19	..	...	...	...	1	..	1	..	1	...	...	...	..	..	...	1	..	...	...	2	..	...	...	...
105A. Croup	6	..	...	...	...	...	..	..	..	1	...	...	...	..	..	...	...	..	...	...	1	..	...	...	...
105B. Other diseases of the larynx	13	..	...	...	...	1	..	1	..	...	...	...	...	..	..	...	1	..	...	...	1	..	...	...	...
106. Bronchitis	85	..	1	3	2	2	..	1	1	...	...	...	...	2	..	...	1	..	1	1	1	..	3	2	...
106A. Acute	23	..	...	...	...	...	..	1	..	...	...	...	...	..	..	...	...	..	1	...	...	..	1	...	...
106B. Chronic	37	..	...	...	1	1	..	..	1	...	...	...	...	2	..	...	...	..	...	...	1	..	...	...	...
106C. Unspecified	25	..	1	3	1	1	..	..	..	...	...	...	...	..	..	...	1	..	...	1	...	..	2	2	...
107. Bronchopneumonia	1221	1	14	13	8	46	36	3	5	9	10	16	21	2	4	25	10	5	6	33	14	2	17	15	8
107A. Bronchopneumonia	1220	1	14	13	8	46	35	3	5	9	10	16	21	2	4	25	10	5	6	33	14	2	17	15	8
107B. Capillary bronchitis	1	..	...	...	...	...	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
108. Lobar pneumonia	728	..	8	13	3	32	9	4	3	2	9	34	16	3	1	15	3	3	4	11	10	5	9	15	12
109. Pneumonia, unspecified	225	..	4	3	2	5	6	1	3	1	5	8	1	2	4	4	2	..	2	7	4	3	2	1	2
110. Pleurisy	63	..	2	1	1	3	..	1	..	...	2	1	...	..	..	1	...	..	...	...	...	..	...	...	3
111. Congestion and harmorrhagic infarct of the lung, etc.	98	.	1	...	1	1	..	..	..	...	3	...	4	4	3	4	...	..	...	3	1	1	4	1	1
111A. Pulmonary embolism and thrombosis	13	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	1	...	...	...
111B. Others under this title	85	..	1	...	1	...	..	..	..	...	3	...	4	4	3	4	...	..	...	3	1	..	4	1	1
112. Asthma	195	1	1	5	3	10	5	..	1	...	1	8	2	1	2	6	1	..	2	5	3	1	2	10	1
113. Pulmonary emphysema	4	..	...	...	...	...	..	..	..	...	...	...	1	..	..	...	...	..	...	...	...	..	...	...	...
114. Other diseases of the respiratory system (tuberculosis excepted)	46	..	2	1	...	1	2	..	..	...	2	2	...	..	..	...	...	..	2	3	...	..	...	2	...
114A. Chronic interstitial pneumonia including occupational diseases of the respiratory system	18	..	1	1	..	...	2	..	..	...	...	...	...	..	..	...	...	..	1	1	...	..	...	2	...
114C. Others under this title	28	..	1	...	..	1	.	..	..	...	2	2	...	..	..	...	...	..	1	2	...	..	...	...	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
19	9	20	9	74	15	10	10	29	33	29	16	10	25	32	2	7	3	18	5	30	9	14	11	15	16	22	16	20	66	372	93C
8	5	10	3	42	1	4	14	9	7	24	6	7	18	20	11	6	1	22	4	20	16	17	3	4	10	27	10	24	48	108	93
43	11	58	9	150	23	24	38	47	69	53	16	40	91	47	15	19	11	35	11	93	22	47	82	27	37	111	79	65	218	1210	94
1	..	4	..	7	2	...	1	1	3	1	..	...	2	...	..	..	1	1	..	...	...	2	22	..	...	2	4	1	6	53	94A
39	8	51	9	121	18	21	35	36	58	41	13	37	84	45	8	17	7	29	10	82	19	43	58	25	26	99	68	59	196	1096	94B
3	3	3	..	22	3	3	2	10	8	11	3	3	5	2	7	2	3	5	1	11	3	2	2	2	11	10	7	5	16	61	94C
7	1	2	1	23	1	7	1	2	5	5	6	2	9	3	3	2	5	3	..	8	5	6	4	2	3	6	8	7	13	90	95
...	..	...	..	...	..	3	...	...	2	2	..	1	3	1	1	..	1	...	..	2	1	...	...	1	1	1	3	1	...	22	95A
7	1	2	1	23	1	4	1	2	3	3	6	1	6	2	2	2	4	3	..	6	4	6	4	1	2	5	5	6	13	68	95B
1	..	1	..	1	..	2	...	1	...	1	1	1	...	2	1	..	..	...	..	1	...	...	3	..	...	...	...	...	7	19	96
123	21	68	10	171	20	19	61	60	96	79	25	45	63	64	17	25	9	54	7	159	30	32	41	19	32	127	105	77	275	833	97
1	1	1	..	3	..	2	1	...	1	2	..	2	4	4	4	2	..	1	1	5	...	...	1	1	1	1	1	2	2	20	98
...	..	...	..	1	..	2	...	...	1	...	..	...	...	...	2	..	..	...	..	...	1	...	...	..	1	1	...	...	5	21	99
...	2	...	..	4	..	...	3	1	2	2	..	...	1	...	1	..	..	1	..	...	...	1	2	1	1	2	...	2	3	29	100
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	1	..	..	1	..	1	...	...	...	..	...	...	...	...	...	3	101
4	2	12	4	40	11	5	14	5	11	12	6	9	15	8	..	2	..	14	1	19	5	9	12	7	8	8	15	12	42	261	102
...	..	...	..	...	..	...	...	...	...	...	..	...	...	1	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	103
37	7	44	3	155	16	25	24	31	56	39	15	14	38	34	26	15	4	27	9	72	27	54	36	25	26	53	54	46	211	698	
...	..	...	..	4	..	...	...	...	...	2	..	...	1	1	..	1	..	...	..	1	1	...	...	..	...	...	1	..	...	7	104
...	..	...	..	...	..	1	...	...	...	...	..	...	...	...	1	..	..	...	..	1	1	1	...	..	...	2	..	1	...	5	105
...	..	...	..	...	..	1	...	...	...	...	..	...	...	...	..	..	..	...	..	1	1	...	...	..	...	...	...	...	..	1	105A
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	1	..	..	...	..	...	...	1	...	..	...	2	...	1	...	4	105B
1	2	2	..	2	..	2	2	1	2	...	..	...	...	1	..	4	..	1	..	4	...	2	...	1	1	2	3	...	6	25	106
...	..	1	..	...	..	1	1	1	...	...	..	...	...	...	..	3	..	...	..	...	...	...	...	1	...	..	2	...	1	9	106A
...	..	1	..	2	..	...	1	...	2	...	..	...	...	1	..	1	..	...	..	3	...	2	...	..	...	1	1	..	3	13	106B
1	2	...	..	...	..	1	...	...	...	...	..	...	...	...	..	..	..	1	..	1	...	...	...	..	1	1	...	...	2	3	106C
19	2	14	1	86	7	9	9	7	24	15	9	6	13	10	9	2	1	9	3	35	13	29	18	8	12	18	24	15	122	349	107
19	2	14	1	86	7	9	9	7	24	15	9	6	13	10	9	2	1	9	3	35	13	29	18	8	12	18	24	15	122	349	107A
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	....	107B
9	2	17	..	38	6	8	9	12	16	10	2	4	10	9	5	6	1	8	5	10	6	5	9	8	6	17	15	16	53	182	108
3	..	1	1	10	2	4	..	3	6	7	2	..	7	5	6	1	2	3	..	11	1	9	5	2	5	5	2	6	4	40	109
2	..	2	..	4	..	1	2	1	...	...	..	...	...	1	1	..	..	1	1	1	1	...	...	2	...	2	1	1	4	20	110
...	1	2	..	4	1	...	...	3	3	1	..	1	3	4	1	..	..	1	..	5	1	2	2	1	2	1	1	1	4	21	111
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	1	1	..	1	..	...	...	...	...	...	7	111A
...	1	2	..	3	1	...	...	3	3	1	..	1	3	4	1	..	..	1	..	4	..	2	1	1	2	1	1	1	4	14	111B
3	..	5	1	6	..	...	2	4	3	2	2	2	3	2	3	1	..	4	..	4	3	6	1	3	...	4	7	4	13	36	112
...	..	...	..	...	..	...	...	...	...	...	..	...	1	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	1	1	113
...	..	1	..	1	..	...	...	...	2	2	..	1	...	1	..	..	..	...	..	...	...	...	1	..	...	2	...	2	4	12	114
...	..	...	..	1	..	...	...	...	1	1	..	...	...	1	..	..	..	...	..	...	...	...	1	..	...	1	...	2	1	1	114A
...	..	1	..	...	..	...	...	...	1	1	..	1	...	...	..	..	..	...	..	...	...	...	...	..	...	1	...	...	3	11	114C

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM																									
Total	2142	1	33	37	25	149	48	7	4	13	28	88	47	7	6	32	12	..	4	42	35	22	34	30	21
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations)	149	..	2	4	...	5	2	..	..	4	1	4	1	..	..	5	1	..	1	2	1	1	6	3	1
115A. Diseases of the buccal cavity and annexa	53	..	...	2	...	3	..	..	..	1	...	...	...	..	..	4	...	..	...	2	1	..	1	1	...
115B. Diseases of the tonsils	45	..	1	2	...	...	2	..	..	2	1	1	1	..	..	1	1	..	...	...	...	1	2	...	...
115C. Others under this title	51	..	1	...	...	2	..	..	..	1	...	3	...	..	..	...	...	..	1	...	...	..	3	2	1
116. Diseases of the oesophagus	4	..	...	...	1	...	..	..	..	...	...	...	...	..	..	1	...	..	...	...	...	..	...	...	...
117. Ulcer of the stomach or duodenum	309	1	4	4	8	13	4	..	1	3	5	17	4	2	..	8	1	..	...	2	5	3	4	2	...
117A. Ulcer of the stomach	146	..	1	...	3	5	4	..	..	1	2	6	...	2	..	7	1	..	...	2	3	2	2	1	...
117B. Ulcer of the duodenum	163	1	3	4	5	8	..	..	1	2	3	11	4	..	..	1	...	..	...	...	2	1	2	1	...
118. Other diseases of the stomach	46	..	3	...	1	2	4	..	..	...	...	1	1	1	1	1	...	..	...	4	1	..	..	1	1
119. Diarrhoea and enteritis (under 2 years of age)	253	..	9	11	3	21	17	1	1	...	1	12	7	..	..	3	...	..	1	10	1	5	2	7	1
120. Diarrhoea and enteritis (2 years and over)	137	..	5	1	1	9	1	..	2	...	2	5	4	..	1	1	3	..	...	2	3	1	1	..	1
120A. Diarrhoea and enteritis	88	..	4	1	1	8	1	..	2	...	1	...	2	..	1	1	3	..	...	2	3	1	1	..	1
120B. Ulceration of the intestines	49	..	1	...	...	1	..	..	..	...	1	5	2	..	..	...	...	..	...	...	...	..	...	...	...
121. Appendicitis	318	..	5	1	1	21	8	2	..	1	4	19	8	..	..	4	1	..	...	4	3	4	7	4	...
122. Hernia, intestinal obstruction	356	..	..	7	3	32	4	1	..	1	4	7	13	2	..	2	3	..	...	6	9	4	6	6	5
122A. Hernia	178	..	...	3	2	12	3	..	..	1	3	3	5	1	..	1	..	..	...	3	6	1	3	3	2
122A. Intestinal obstruction	178	..	...	4	1	20	1	1	..	...	1	4	8	1	..	1	3	..	...	3	3	3	3	3	3
123. Other diseases of the intestines	53	..	...	...	...	2	..	1	..	...	1	2	...	1	..	...	...	..	...	...	...	1	..	2	1
124. Cirrhosis of the liver	156	..	4	4	1	11	1	..	..	...	1	7	1	..	..	1	...	..	...	2	4	2	2	2	2
124A. Specified as alcoholic	9	..	1	...	...	...	1	..	..	...	...	2	...	..	..	...	...	..	...	...	...	..	...	...	...
124B. Not specified as alcoholic	147	..	3	4	1	11	..	..	..	...	1	5	1	..	..	1	...	..	...	2	4	2	2	2	2
125. Others under this title	45	..	1	1	...	2	1	..	..	1	..	1	1	..	1	1	...	..	1	...	2	..	...	...	1
126A. Yellow atrophy of the liver	13	..	...	...	...	...	1	..	..	...	...	...	1	..	..	...	...	..	1	...	1	..	...	...	...
125B. Other diseases of the liver	32	..	1	1	...	2	..	..	..	1	...	1	...	..	1	1	...	..	...	...	1	..	...	...	1
126. Biliary calculi	128	..	...	2	3	8	3	..	..	1	2	5	6	1	..	2	3	..	...	4	3	1	2	2	4
127. Other diseases of the gall-bladder and biliary passages	148	..	...	1	3	19	1	1	..	2	7	8	1	..	3	3	...	..	1	6	3	..	4	...	2
128. Diseases of the pancreas	23	..	..	1	..	2	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	.	1
129. Peritonitis, cause not specified	17	..	...	...	...	2	1	1	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	1	1
CLASS X.—DISEASES OF THE GENITO-URINARY SYSTEM																									
Total	2788	7	40	57	43	188	29	7	21	18	36	135	60	9	20	46	8	2	15	89	41	6	59	58	41
130. Acute nephritis (including unspecified, under 10 years of age)	68	2	...	3	...	5	4	..	..	...	1	...	...	..	..	2	1	..	...	1	1	..	1	2	2
131. Chronic nephritis	1365	2	20	27	27	102	15	2	12	5	25	64	31	7	14	22	2	1	10	57	16	..	29	26	17
132. Nephritis, unspecified (10 years and over)	456	1	12	10	4	26	3	..	3	..	3	34	8	2	3	5	4	1	2	16	11	3	11	9	11
133. Other diseases of the kidneys and ureters	141	..	...	3	...	14	2	..	1	1	1	6	6	..	1	...	...	..	1	2	2	..	2	4	2
134. Calculi of the urinary passages	63	..	1	...	...	4	..	..	..	1	1	1	2	..	..	1	..	..	...	...	...	1	1	2	...
135. Diseases of the bladder (tumours excepted)	98	..	2	3	1	2	1	1	..	...	1	5	...	..	..	1	..	..	1	2	4	1	3	2	1
136. Diseases of the urethra, urinary abscess, etc.	27	..	...	...	...	1	..	1	..	1	1	2	3	..	..	...	...	..	...	2	1	..	..	..	...
136A. Stricture of the urethra	18	..	...	...	...	...	..	1	..	...	1	2	2	..	..	...	...	..	...	2	...	..	...	...	...
136B. Others under this title	9	..	...	...	...	1	..	..	..	1	...	...	1	..	..	...	...	..	...	..	1	..	..	...	...
137. Diseases of the prostate	500	2	5	11	10	29	4	3	5	9	3	17	7	..	2	14	1	..	1	9	6	..	11	12	5
138. Diseases of the male genital organs (not specified as venereal)	11	..	...	...	1	...	..	..	..	...	...	1	..	..	..	...	...	..	...	...	...	1	..	..	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
10	1	38	11	86	6	24	17	15	30	49	17	10	30	31	23	9	11	44	5	63	28	42	49	26	17	66	45	32	100	482	
1	...	1	...	6	...	...	3	1	4	6	2	1	...	2	...	2	...	2	1	7	...	5	6	4	3	3	...	1	8	36	115
...	...	1	...	2	...	...	1	...	1	2	1	1	...	1	...	1	...	...	...	4	...	1	1	2	1	1	...	...	4	13	115A
1	...	...	...	2	...	...	2	...	1	3	...	...	...	...	...	...	...	1	1	1	...	2	...	1	...	1	...	1	3	10	115B
...	...	...	...	2	...	...	...	1	2	1	1	...	...	1	...	1	...	1	...	2	...	2	5	1	2	1	...	...	1	13	115C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	116
1	...	6	1	14	...	2	1	1	6	10	1	3	6	3	...	1	2	2	2	11	1	3	5	3	1	8	8	4	14	98	117
1	...	3	...	12	...	1	1	1	4	7	1	2	4	2	...	1	2	1	1	5	1	1	3	3	1	6	5	3	4	28	117A
...	...	3	1	2	...	1	...	...	2	3	...	1	2	1	...	...	...	1	1	6	...	2	2	...	...	2	3	1	10	70	117B
...	...	...	...	2	1	2	...	1	...	1	...	...	...	...	3	...	...	2	1	1	1	...	1	...	...	...	1	2	1	4	118
...	...	5	6	6	2	8	3	...	2	3	2	...	1	2	6	3	2	8	1	4	10	15	10	3	...	3	3	2	3	27	119
...	...	3	1	7	...	5	2	1	5	4	3	...	1	1	1	...	...	5	...	3	1	...	2	...	...	5	3	3	10	28	120
...	...	2	1	4	...	5	2	1	3	1	1	...	...	1	1	...	...	5	...	3	1	...	2	...	...	3	3	1	5	10	120A
...	...	1	...	3	...	...	...	...	2	3	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	5	18	
4	...	8	1	11	1	5	1	...	3	5	2	1	5	8	8	1	1	11	...	8	3	8	5	8	6	12	6	8	15	66	121
...	...	5	...	20	1	1	7	3	6	13	6	2	6	5	2	1	2	8	...	14	5	2	6	4	2	11	7	8	18	76	122
...	...	1	...	13	...	1	3	3	3	4	2	...	2	2	1	...	...	2	...	7	4	2	3	1	1	5	4	6	14	42	122A
...	...	4	...	7	1	...	4	...	3	9	4	2	4	3	1	1	2	6	...	7	1	...	3	3	1	6	3	2	4	34	122B
...	...	2	...	1	...	...	...	1	1	...	...	...	1	...	...	...	...	1	...	2	...	...	2	...	...	2	2	...	2	25	123
1	...	3	2	3	1	1	...	1	2	...	...	1	2	2	3	...	...	...	...	5	3	4	4	3	3	7	4	...	12	43	124
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	124A
1	...	3	2	3	1	1	...	1	2	...	...	1	2	2	3	...	...	...	...	5	3	4	4	3	3	6	4	...	12	40	124B
1	...	...	...	2	...	...	...	...	...	1	1	...	1	2	...	...	1	2	...	1	2	...	1	...	...	1	...	...	3	12	125
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	5	125A
1	...	...	...	1	...	...	...	...	...	1	1	...	1	2	...	...	1	2	...	1	2	...	...	...	...	1	...	...	1	7	125B
...	1	3	...	4	...	...	...	3	1	1	...	1	4	2	...	...	...	3	...	1	...	3	1	...	2	9	2	3	9	23	126
2	...	1	...	9	...	...	...	...	2	...	4	...	3	3	...	1	2	...	...	5	2	2	5	1	...	3	7	1	2	28	127
...	...	1	...	1	...	...	...	1	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	2	...	...	2	8	128
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	2	...	...	7	129
39	13	37	2	149	11	26	18	36	37	42	26	29	46	29	26	18	19	42	20	76	35	35	27	17	19	84	75	68	129	523	
...	...	1	...	2	...	2	1	1	2	...	...	...	1	1	1	...	...	2	1	1	...	...	1	1	...	4	3	1	3	14	130
26	10	22	1	91	7	11	9	10	20	16	22	11	22	13	8	10	11	13	16	42	21	14	11	8	10	50	40	31	54	202	131
4	1	4	...	11	3	7	2	14	2	13	1	7	7	5	5	3	5	13	1	8	7	9	6	3	4	13	13	11	15	77	132
2	...	...	...	4	...	...	1	...	...	1	...	3	...	...	1	1	...	1	...	3	1	2	...	...	1	4	3	3	12	50	133
2	...	1	...	3	...	1	...	...	...	3	...	...	...	1	1	...	...	2	...	...	1	1	...	...	...	3	6	2	3	18	134
...	1	3	...	2	...	1	3	2	4	...	1	1	3	1	1	...	...	3	...	3	1	1	3	1	...	2	...	1	6	23	135
...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	11	136
...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	7	136A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	4	136B
4	1	4	...	32	1	3	1	8	8	7	2	5	13	7	8	4	3	8	2	16	4	4	5	4	4	7	8	18	28	115	137
...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	4	138

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
139. Diseases of the female genital organs (not specified as venereal)	59	..	...	...	...	5	..	..	..	1	...	5	3	..	..	1	...	..	...	...	...	..	1	1	3
139A. Of the ovary, Fallopian tube and parametrium	24	..	...	...	...	3	..	..	..	...	...	1	3	..	..	...	...	..	...	...	...	..	1	...	1
139B. Of the uterus	30	..	...	...	...	2	..	..	..	1	...	4	...	..	..	1	...	..	...	...	...	..	...	1	2
139C. Of the breast	2	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
139D. Others under this title	3	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE																									
Total	276	..	6	4	3	13	6	1	1	...	2	11	3	1	..	4	2	..	...	4	3	1	5	7	5
140. Abortion with septic conditions	42	..	...	1	...	3	2	..	..	...	...	1	...	..	..	1	...	..	...	...	...	..	...	1	...
140A. Abortion	24	..	...	1	...	2	2	..	..	...	...	...	...	..	..	1	...	..	...	...	...	..	...	...	...
140B. Self-induced abortion	18	..	...	...	...	1	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	..	...	1	...
141. Abortion without mention of septic conditions (haemorrhage included)	10	..	...	...	...	1	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
141A. Abortion	6	..	...	...	...	1	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
141B. Self-induced abortion	4	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
142. Ectopic gestation	11	..	1	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	1	...	...	...
142A. With septic conditions	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
142B. Without mention of septic conditions	10	..	1	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	1	...	...	...
143. Other accidents of pregnancy (haemorrhage excluded)	4	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
144. Puerperal haemorrhage	38	..	1	1	...	4	1	..	..	...	...	3	...	..	..	...	1	..	...	1	1	..	3	3	...
144A. Placenta praevia	11	..	...	1	...	1	..	..	..	...	...	1	...	..	..	...	1	..	...	1	...	..	1	1	...
144B. Other haemorrhages	27	..	1	...	...	3	1	..	..	...	...	2	...	..	..	...	...	..	...	...	1	..	2	2	...
145. Puerperal septicaemia (not specified as due to abortion)	50	..	1	...	1	...	..	..	1	...	...	1	...	..	..	1	...	..	...	1	...	..	1	1	1
145A. Puerperal septicaemia and pyaemia	50	..	1	...	1	...	..	..	1	...	...	1	...	..	..	1	...	..	...	1	...	..	1	1	1
146. Puerperal albuminuria and eclampsia	42	..	2	...	1	1	1	1	..	...	2	2	1	1	..	...	1	..	...	1	1	..	1	1	1
147. Other toxaemias of pregnancy	13	..	...	...	...	1	..	..	..	...	...	...	1	..	..	...	...	..	...	...	...	..	...	...	...
148. Puerperal phlegmasia alba dolens, embolism or sudden death (not specified as septic)	44	..	...	1	...	2	..	..	..	...	...	2	1	..	..	1	...	..	...	...	1	..	...	1	3
148A. Phlegmasia alba dolens and thrombosis	8	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
148B. Embolism	25	..	...	1	...	1	..	..	..	...	...	...	1	..	..	1	...	..	...	...	1	..	...	1	1
148C. Sudden death	11	..	...	...	...	1	..	..	..	...	...	2	...	..	..	...	...	..	...	...	...	..	...	...	2
149. Other accidents of childbirth	21	..	1	1	1	1	1	..	..	...	...	2	...	..	..	...	...	..	...	1	...	..	...	...	...
149A. Caesarean operation	10	..	1	...	1	1	..	..	..	...	...	1	...	..	..	...	...	..	...	1	...	..	...	...	...
149C. Dystocia	5	..	...	1	...	...	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	..	...	...	...
149D. Rupture of uterus in parturition	3	..	...	...	...	...	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
149E. Others under this title	3	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
150. Other or unspecified condition of the puerperal state	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	1	...	..	...	...	...	..	...	...	...
150B. Others under this title	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	1	...	..	...	...	...	..	...	...	...
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUES																									
Total	75	..	...	1	1	4	1	..	..	...	...	1	1	1	1	...	...	..	...	1	1	..	1	2	2
151. Carbuncle	19	..	...	...	...	...	2	..	..	...	...	...	1	1	..	...	...	..	...	...	...	..	1	1	...
152. Cellutis, acute abscess	35	..	...	1	...	1	1	..	..	...	...	...	...	1	..	...	...	..	...	...	1	..	...	1	1
153. Other diseases of the skin and annexa and of the cellular tissue	21	.	...	...	1	1	..	..	..	...	1	...	...	..	..	...	...	..	...	1	...	..	...	...	1

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
1	...	1	1	3	...	...	1	...	1	2	...	2	...	1	1	...	...	...	...	2	...	3	1	...	...	...	1	1	8	9	139
1	...	...	1	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	1	1	1	4	139A
...	...	1	...	1	...	...	1	...	...	2	...	2	...	...	1	...	...	...	...	1	...	1	...	...	...	...	...	...	6	3	139B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	139C
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	139D
4	...	3	2	11	...	4	...	2	7	4	2	...	3	5	1	1	2	5	1	11	1	12	7	4	3	7	2	5	19	66	
...	...	...	...	3	...	...	...	...	1	...	1	...	1	2	...	...	...	2	...	2	...	...	2	...	...	1	1	1	3	13	140
...	...	...	...	2	...	...	...	...	1	...	1	...	1	2	...	...	...	2	...	1	...	...	...	...	...	1	...	1	...	6	140A
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	1	...	3	7	140B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	7	141
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	3	141A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	141B
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	1	3	142
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	142A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	1	3	142B
...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	143
...	...	...	...	2	...	1	...	1	2	...	...	...	...	1	...	...	1	...	...	...	...	2	...	...	...	...	...	2	3	4	144
...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	144A
...	...	...	...	1	...	1	...	1	1	...	...	...	...	1	...	...	1	...	...	...	...	2	...	...	...	...	...	2	2	3	144B
2	...	2	...	...	...	1	...	...	3	2	...	...	...	1	...	...	...	...	...	...	1	4	3	1	1	2	1	...	5	12	145
2	...	2	...	...	...	1	...	...	3	2	...	...	...	1	...	...	...	...	...	...	1	4	3	1	1	2	1	...	5	12	145A
2	...	1	2	2	...	2	...	...	...	1	...	...	1	...	...	1	1	...	...	2	...	...	...	1	1	1	...	...	1	5	146
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	1	...	...	1	6	147
...	...	...	...	2	...	...	...	1	...	...	1	...	1	...	...	...	...	1	1	3	...	3	...	...	1	...	...	1	4	13	148
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	5	148A
...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	...	...	...	1	1	3	...	2	...	...	...	...	...	...	1	7	148B
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	2	1	148C
...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	...	...	1	...	2	...	1	...	...	...	2	...	...	1	3	149
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	1	1	149A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	149C
...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	149D
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	149E
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150B
1	...	...	...	4	...	2	...	1	2	...	1	...	2	1	...	...	1	1	...	4	...	2	2	...	...	1	2	1	7	22	
1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	3	6	151
...	...	...	...	2	...	2	...	1	1	...	...	...	1	...	...	...	...	...	...	2	...	1	1	...	...	...	1	1	4	11	152
...	...	...	...	2	...	...	...	...	...	...	...	1	...	1	...	...	1	1	...	2	...	...	1	...	...	1	1	...	...	5	153

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton	Lanark
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF LOCOMOTION																									
Total	98	..	..	3	..	9	..	1	..	..	1	2	1	..	..	3	..	..	1	1	2	..	3	1	1
154. Osteomyelitis	33	..	..	..	..	3	..	..	..	..	..	..	1	..	..	2	..	..	..	1	..	..	..	..	..
155. Other diseases of the bones (tuberculosis excepted)	36	..	..	2	..	2	..	1	..	..	1	1	..	..	..	..	..	..	..	..	1	..	2	..	1
156. Diseases of the joints and other organs of locomotion	29	..	..	1	..	4	..	..	..	..	..	1	..	..	..	1	..	..	1	..	1	..	1	1	..
156A. Of the joints (tuberculosis and rheumatism excepted	16	..	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..
156B. Of other organs of locomotion	13	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	1	..
CLASS XIV.—CONGENITAL MALFORMATIONS																									
Total	505	..	11	6	7	22	13	2	1	2	9	23	11	2	2	11	2	..	3	18	6	2	12	3	5
157. Congenital malformations (stillbirths excluded)	505	..	11	6	7	22	13	2	1	2	9	23	11	2	2	11	2	..	3	18	6	2	12	3	5
157A. Congenital hydrocephalus	67	..	2	..	2	2	4	..	..	..	1	1	1	1	1	2	1	..	2	2	..	..	4	..	..
157B. Spina bifida and meningocele	132	..	1	1	2	6	1	1	..	2	3	6	4	1	1	1	..	..	1	6	3	..	4	1	3
157C. Congenital malformations of the heart	187	..	4	3	3	7	4	1	1	..	5	9	2	..	..	5	1	..	..	6	2	2	4	..	1
157D. Monstrosities	7	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157E. Others under this title	112	..	4	2	..	7	3	..	..	..	..	7	4	..	..	3	..	..	..	4	1	..	..	2	1
CLASS XV.—DISEASES OF EARLY INFANCY																									
Total	1504	2	25	31	18	114	77	4	7	13	11	56	23	2	5	28	3	6	..	41	18	23	28	23	18
158. Congenital debility	90	..	..	..	2	7	7	..	2	1	1	4	1	..	2	5	2	..	..	4	1	3	2	2	3
159. Premature birth	939	..	17	24	11	74	45	4	4	6	8	27	11	2	2	16	1	6	..	26	11	11	16	13	9
160. Injury at birth	261	..	6	3	4	13	9	..	1	2	1	21	7	..	..	5	..	..	..	9	6	3	5	4	5
160A. With mention of caesarean operation	3	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
160B. Without mention of caesarean operation	258	..	6	3	4	13	8	..	1	2	1	21	7	..	..	5	..	..	..	9	6	3	5	4	5
161. Other diseases peculiar to early infancy (under 3 months)	214	2	2	4	1	20	16	..	..	4	1	4	4	..	1	2	..	..	..	2	..	6	5	4	1
161A. Atelectasis	81	1	1	1	..	5	4	..	..	1	..	2	1	..	..	2	..	..	..	..	..	1	1	2	..
161B. Icterus of the new-born	25	..	1	1	1	4	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	1	..	..	..
161A. Sclerema and oedema	4	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
161D. Athrepsia	9	..	..	..	..	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
161E. Others, including lack of care	86	1	..	2	..	6	7	..	..	2	1	1	2	..	..	..	..	..	..	1	..	4	4	1	1
161F. No cause given, no doctor in attendance	9	..	..	..	..	1	4	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
CLASS XVI.—SENILITY																									
Total	400	..	5	9	14	20	2	4	3	4	9	10	7	2	3	16	9	..	1	11	7	1	3	6	7
162. Senility	400	..	5	9	14	20	2	4	3	4	9	10	7	2	3	16	9	..	1	11	7	1	3	6	7
162A. With senile dementia (70 years and over)	98	..	2	3	2	2	..	..	..	..	1	4	3	..	1	6	3	..	..	1	3	..	..	..	2
162B. Without senile dementia (70 years and over)	301	.	3	6	12	18	2	4	3	4	8	6	4	2	2	10	6	..	1	10	4	1	3	6	5
162C. Premature senility (55 years but under 70 years)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
..	..	...	..	5	..	3	...	...	...	3	2	...	2	3	1	..	..	...	..	...	2	2	2	1	...	1	2	...	6	34	
...	..	...	..	1	..	...	...	...	...	1	1	...	...	...	..	..	..	...	..	...	1	2	...	1	...	...	1	...	2	16	154
..	..	...	..	2	..	2	...	...	...	2	..	...	2	2	1	..	..	...	..	...	...	...	2	..	...	1	...	...	3	8	155
..	..	...	..	2	..	1	...	...	...	...	1	...	...	1	..	..	..	...	..	1	...	...	...	..	...	..	1	...	1	10	56
...	..	...	..	2	..	1	...	...	...	...	..	...	...	1	..	..	..	...	..	...	1	...	...	..	...	...	1	...	...	4	156A
..	..	...	..	...	..	...	...	...	...	...	1	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	1	6	156B
12	2	8	5	20	3	4	7	4	6	9	6	2	9	5	8	2	2	2	4	14	4	11	14	6	6	8	9	8	18	114	
12	2	8	5	20	3	4	7	4	6	9	6	2	9	5	8	2	2	2	4	14	4	11	14	6	6	8	9	8	18	114	157
2	1	...	1	1	..	1	3	...	...	1	..	...	1	3	..	..	..	...	1	3	...	4	...	..	1	1	1	1	3	12	157A
1	..	1	..	2	2	2	2	...	2	3	3	1	3	2	1	1	1	1	..	3	1	3	6	..	2	3	2	1	6	29	157B
7	1	6	4	11	..	...	1	3	3	3	2	1	2	...	4	1	..	1	3	5	3	3	4	3	1	2	2	4	6	41	157C
...	..	...	..	1	..	...	...	...	1	1	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	1	...	...	...	2	157D
2	..	1	..	5	1	1	1	1	...	1	1	...	3	...	3	..	1	...	..	3	...	1	4	3	2	1	4	2	3	30	157E
17	3	23	11	43	5	39	16	8	14	20	16	5	16	21	19	7	9	32	22	29	29	65	33	39	14	26	30	27	47	243	
...	..	1	2	2	..	6	2	...	...	1	1	...	1	...	3	..	..	6	..	1	2	3	2	1	1	2	1	2	...	1	158
13	2	16	3	27	3	19	10	5	10	10	13	3	12	16	9	4	8	17	13	17	21	46	19	25	4	18	19	13	33	167	159
1	..	3	1	10	..	9	1	2	1	7	..	2	1	3	6	3	1	3	6	5	3	10	6	6	5	4	7	5	9	37	160
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	1	..	...	...	...	...	...	1	160A
1	..	3	1	10	..	9	1	2	1	7	..	2	1	3	6	3	1	3	6	5	3	10	5	6	5	4	7	5	9	36	160B
3	1	3	5	4	2	5	3	1	3	2	2	...	2	2	1	..	..	6	3	6	3	6	6	7	4	2	3	7	5	38	161
...	1	...	4	1	1	1	2	1	...	1	..	...	...	...	1	..	..	3	1	1	...	2	4	4	1	..	1	2	3	24	161A
1	..	2	..	1	..	1	...	...	1	...	..	...	...	...	..	..	..	...	..	1	...	3	...	1	...	..	1	...	...	2	161B
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	1	...	...	...	...	...	1	161C
1	..	...	..	...	..	1	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	1	...	..	1	...	...	...	..	....	161D
1	..	1	1	2	1	2	1	...	2	1	2	...	2	2	..	..	..	1	2	4	3	...	1	1	2	2	1	5	2	11	161E
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	2	..	...	...	...	1	..	...	..	...	...	...	...	161F
7	5	11	..	11	..	3	8	10	17	11	7	6	8	15	2	4	3	10	1	7	5	4	5	1	4	8	2	13	11	48	
7	5	11	..	11	..	3	8	10	17	11	7	6	8	15	2	4	3	10	1	7	5	4	5	1	4	8	2	13	11	48	162
4	1	3	..	5	..	...	1	3	12	3	2	2	...	...	..	2	..	3	1	1	...	..	2	..	1	2	2	...	3	12	162A
2	4	8	..	6	..	3	7	7	5	8	5	4	8	15	2	2	3	7	.	6	5	4	3	1	3	6	..	13	8	36	162B
1	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	...	...	...	..	162C

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS																									
Total	2718	4	42	48	22	107	77	10	18	20	37	106	42	13	5	41	19	4	20	59	39	31	60	53	26
163–171. Suicides	357	..	4	3	4	13	10	1	3	2	6	26	1	2	1	5	3	..	3	4	5	4	8	7	3
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	60	..	...	...	...	...	1	..	1	1	...	5	...	1	..	3	...	...	...	1	1	..	1	1	...
164. Suicide by poisonous gas	38	..	1	...	1	4	..	..	..	1	...	1	...	..	..	1	1	..	...	...	...	..	...	...	...
165. Suicide by hanging or strangulation	84	..	2	2	1	1	4	..	..	...	2	6	...	..	1	...	...	..	...	1	3	1	2	4	...
166. Suicide by drowning	48	..	...	1	1	3	..	..	1	...	3	5	...	..	..	...	1	..	2	...	...	..	2	...	1
167. Suicide by firearms	77	..	1	...	1	4	2	1	1	...	1	4	...	..	..	1	1	..	...	2	1	2	2	2	2
168. Suicide by cutting or piercing instruments	24	..	...	...	...	1	2	..	..	...	...	5	...	..	..	...	...	..	...	...	...	..	1	...	...
169. Suicide by jumping from high places	13	..	...	...	...	...	..	..	..	...	...	...	1	..	..	...	...	..	1	...	...	..	...	...	...
170. Suicide by crushing	7	..	...	...	...	...	..	..	..	...	...	...	...	1	..	...	...	..	...	...	...	1	...	...	...
171. Suicide by other means	6	..	...	...	...	...	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
173–175. Homicides	39	..	...	...	...	...	1	..	1	...	1	2	...	..	..	...	...	..	...	...	1	..	1	1	...
173. Homicide by firearms	9	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	1	...	...
174. Homicide by cutting or piercing instruments	3	..	...	...	...	...	1	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
175. Homicide by other means	27	..	...	...	...	...	..	..	1	...	1	2	...	..	..	...	...	..	...	...	1	..	...	1	...
176–198. Other violent deaths	2322	4	38	45	18	94	66	9	14	18	30	78	41	11	4	36	16	4	17	55	33	27	51	45	23
176. Attack by venomous animals	1	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
177. Food poisoning	6	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
178. Accidental absorption of toxic gases	45	..	...	2	...	3	1	1	..	...	1	2	1	..	..	...	...	..	...	...	2	..	1	1	...
179. Other acute accidental poisonings (except by gas)	13	..	...	...	...	...	1	..	..	...	...	1	...	..	..	...	...	..	...	...	1	..	...	...	...
180. Conflagration	64	..	4	...	...	...	2	1	..	...	3	...	4	1	..	3	...	..	...	2	1	..	...	...	...
181. Accidental burns (conflagration excepted)	81	..	1	1	1	7	6	..	..	...	...	1	1	..	..	1	2	1	...	...	...	..	2	...	1
182. Accident mechanical suffocation	53	..	...	...	3	2	1	..	1	...	...	2	1	..	..	...	1	..	...	...	1	..	...	...	1
183. Accidental drowning	278	1	11	3	1	8	20	..	1	2	...	11	1	2	..	3	...	2	2	8	2	13	2	12	2
184. Accidental injury by firefirearms	33	..	1	...	1	1	2	..	..	1	...	2	2	..	..	...	...	1	1	...	2	1	...	...	1
185. Accidental injury by cutting or piercing instruments	21	..	1	...	...	...	2	..	..	...	...	1	...	..	..	...	...	..	...	...	1	1	3	...	...
186. Accidental injury by fall, crushing or landslide	1541	1	17	39	11	66	27	6	11	12	24	51	27	8	3	27	13	..	14	42	19	7	39	30	15
188. Injuries by animals	18	..	...	...	...	1	..	..	..	2	...	...	...	..	1	...	...	..	...	1	...	..	...	1	1
189. Hunger or thirst	4	..	1	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
190. Excessive cold	16	..	1	...	...	...	..	..	..	...	...	1	...	..	..	...	...	..	...	...	...	1	...	...	1
191. Excessive heat	33	1	...	...	...	1	3	..	..	1	1	2	...	..	..	...	...	..	...	...	1	..	1	...	1
192. Lightning	10	..	...	...	...	...	..	..	..	...	...	...	...	..	..	1	...	..	...	...	...	..	...	...	...
193. Accidents due to electric currents	19	..	...	...	...	...	..	..	..	...	1	...	...	..	..	...	...	..	...	...	1	..	...	1	...
194. Other accidents	71	..	1	...	1	4	1	1	1	...	...	2	4	..	..	1	...	..	...	2	1	4	3	...	...
194A. Foreign body	7	..	...	...	...	1	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
194B. Others under this title	64	..	1	...	1	3	1	1	1	...	...	2	4	..	..	1	...	..	...	2	1	4	3	...	...
195. Violent deaths of which the nature (accident, suicide, homicide) is known	13	1	...	...	...	1	..	..	..	...	...	2	...	..	..	...	...	..	...	...	1	..	...	...	...
198. Capital punishment	2	..	...	...	...	...	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
CLASS XVIII.—ILL-DEFINED CAUSES OF DEATH																									
Total	57	1	2	...	1	3	14	..	1	...	...	...	1	1	..	1	...	..	...	1	...	2	1	1	...
199. Sudden death	18	1	1	...	1	...	..	..	..	...	...	...	1	1	..	...	...	..	...	...	...	..	...	...	...
200. Cause of death not specified or ill-defined	39	..	1	...	...	3	14	..	1	...	...	...	...	..	..	1	...	..	...	1	...	2	1	1	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
45	10	54	13	106	19	33	32	30	46	52	17	21	42	37	14	16	19	37	9	77	33	93	69	60	21	49	78	47	125	511	
7	1	6	1	15	2	5	3	2	4	10	1	4	5	1	..	3	3	3	..	9	2	6	11	8	6	3	8	7	24	79	163–171
5	..	...	..	3	..	...	1	1	1	2	..	...	1	...	..	1	..	...	..	...	...	...	...	..	2	...	3	...	8	16	163
...	..	...	..	...	..	...	...	...	...	1	..	...	...	...	..	..	..	1	..	2	...	...	...	..	...	...	...	1	...	23	164
2	1	4	..	4	..	1	...	1	1	4	..	1	2	...	..	2	..	2	..	4	...	2	...	3	1	1	1	...	4	13	165
...	..	1	1	...	..	1	...	...	...	...	..	1	1	...	..	..	..	...	..	2	1	1	3	1	...	...	1	3	4	7	166
...	..	...	..	6	1	3	1	...	2	2	1	...	1	...	..	..	3	...	..	1	1	...	4	3	3	1	1	3	5	7	167
...	..	...	..	...	1	...	...	...	...	1	..	2	...	1	..	..	..	...	..	...	...	2	...	1	...	1	...	...	1	5	168
...	..	...	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	1	...	1	8	169
...	..	...	..	...	..	...	1	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	3	..	...	...	...	...	1	....	170
...	..	1	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	1	1	..	...	...	1	...	...	....	171
2	..	...	..	...	..	...	1	...	...	...	1	2	...	...	..	..	..	...	..	...	1	5	2	..	...	2	2	...	2	11	173–175
...	..	...	..	...	..	...	1	...	...	...	1	...	...	...	..	..	..	...	..	...	...	2	1	..	...	...	...	...	...	3	173
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	2	...	...	...	....	174
2	..	...	..	...	..	...	...	...	...	...	..	2	...	...	..	..	..	...	..	...	1	3	1	..	...	...	2	...	2	8	175
36	9	48	12	91	17	28	28	28	42	42	15	15	37	36	14	13	16	34	9	68	30	82	56	52	15	44	68	40	99	421	176–198
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	1	...	...	...	...	...	....	176
1	..	...	..	...	..	1	...	...	2	...	..	...	...	...	..	..	..	...	..	...	...	1	...	..	...	...	1	...	...	....	177
1	..	1	..	...	..	...	...	1	...	...	..	...	1	...	..	..	1	...	..	...	...	...	2	2	...	4	1	...	4	12	178
...	..	1	..	...	..	1	...	...	...	...	..	...	...	...	..	1	..	...	..	1	2	...	...	..	...	...	...	...	...	4	179
2	..	...	..	1	1	2	...	1	1	...	..	...	1	9	..	1	2	...	2	3	1	9	...	2	...	...	...	...	2	3	180
3	..	2	2	7	..	...	...	...	1	1	1	...	...	1	..	1	..	...	..	4	1	2	...	3	...	3	3	1	2	18	181
1	..	3	..	...	1	1	1	1	2	1	..	...	...	...	..	1	..	...	..	...	1	6	4	3	...	1	1	...	1	11	182
7	..	5	3	1	4	5	3	7	5	2	4	2	2	6	2	2	4	6	1	13	3	13	13	7	...	4	18	2	4	23	183
...	..	...	1	3	1	1	...	...	1	2	2	...	...	...	..	..	2	1	..	...	...	...	1	..	1	...	...	...	...	1	184
...	..	...	..	2	..	1	...	...	...	2	..	...	1	...	..	..	..	1	..	1	...	...	1	..	...	1	...	1	...	1	185
18	8	30	4	70	8	13	19	15	27	29	7	11	29	18	11	6	5	23	5	37	21	46	29	32	11	26	39	35	81	319	186
2	..	...	..	...	..	...	1	2	1	1	..	...	1	1	..	..	1	...	..	1	...	...	...	..	...	...	...	...	...	....	188
...	..	...	..	...	..	1	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	...	...	..	...	...	...	...	1	....	189
...	..	...	1	...	..	1	...	...	1	1	1	...	...	...	..	..	1	...	1	1	...	2	1	..	1	...	...	...	...	....	190
...	..	...	..	2	..	...	1	...	...	2	..	...	...	...	..	1	..	...	..	1	...	...	1	..	...	...	...	1	1	11	191
...	..	...	..	1	..	...	...	...	1	...	..	...	...	1	..	..	..	...	..	...	...	...	2	..	1	2	1	...	...	....	192
...	..	1	1	1	1	...	...	...	...	...	..	...	...	...	1	..	..	...	..	1	...	...	...	1	...	2	1	...	...	6	193
1	1	2	..	2	1	1	3	1	...	1	..	2	1	1	..	..	..	3	..	3	1	2	2	1	1	1	2	...	3	9	194
...	..	...	..	1	..	1	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	...	...	..	...	...	...	...	...	3	194A
1	1	2	..	1	1	...	3	1	...	1	..	2	1	1	..	..	..	3	..	2	1	2	2	1	1	1	2	...	3	6	194B
...	..	3	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	1	...	..	...	...	...	...	...	2	195
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	1	...	...	1	198
1	..	2	..	2	1	...	...	1	1	1	1	...	...	1	..	1	1	1	..	2	3	...	2	..	...	1	1	1	...	3	
...	..	2	..	...	1	...	...	1	1	1	1	...	...	...	..	..	..	1	..	..	3	...	...	..	...	1	1	...	...	....	199
1	..	...	..	2	..	...	...	...	...	...	..	...	...	1	..	1	1	...	..	2	...	...	2	..	...	...	...	1	...	3	200

TABLE 42—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

SPECIAL CLASSES OF

(Included also under the numbers

Counties of Ontario (including cities, towns

In the Province of

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patrica	Kent	Lambton	Lanark
A. Accidents in mines and quarries	38	..	...	...	...	...	9	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
B. Accidents caused by machines	54	..	2	1	...	1	3	..	..	...	1	1	3	..	..	...	1	..	...	4	1	..	4	1	...
C. Railway accidents	79	..	4	3	1	2	4	..	..	...	1	4	1	..	..	...	...	..	...	4	...	2	4	...	1
D. Street-car accidents	14	..	...	...	...	2	..	..	..	...	...	...	...	..	..	...	...	..	...	...	...	..	...	...	...
E. Automobile and motorcycle accidents	682	..	6	18	3	32	15	4	6	5	10	27	10	3	1	9	5	..	8	15	6	3	23	11	2
F. Other land transportation	46	..	...	...	2	1	1	1	..	1	1	1	1	1	..	...	1	..	...	4	...	1	...	...	...
G. Water transportation	73	..	5	...	...	...	6	..	..	1	...	...	1	..	..	...	...	..	1	1	...	8	1	4	1
H. Air transportation	18	..	...	...	...	1	..	..	..	...	...	...	2	..	..	...	...	..	...	4	...	..	...	...	...

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1939—Continued

ACCIDENTAL DEATHS

of the International List above)

and villages of 5,000 and over), 1939

ONTARIO, 1939

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York	
...	..	...	..	...	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	12	4	13	...	...	...	...	...	....	A
...	1	...	..	2	..	...	1	...	...	2	..	...	...	3	..	..	..	3	..	2	...	3	1	2	...	1	2	3	1	4	B
1	1	1	..	4	1	...	1	2	1	...	1	1	...	...	..	..	..	...	..	...	1	5	6	2	1	1	6	2	4	6	C
...	..	...	..	1	..	...	...	...	...	...	..	...	...	...	..	..	..	...	..	...	...	...	...	..	...	...	1	...	1	9	D
7	5	20	2	22	3	10	9	5	16	18	4	8	8	16	5	2	2	8	2	21	15	19	8	12	5	11	19	10	41	127	E
1	..	...	1	1	..	1	2	...	1	...	1	1	1	1	..	1	1	1	1	...	...	1	4	..	1	1	1	3	1	3	F
2	..	1	1	...	1	4	2	5	1	...	1	...	...	...	1	2	1	...	..	4	...	2	4	3	...	1	1	...	1	6	G
...	..	1	..	1	1	...	...	...	...	...	..	...	...	...	..	..	..	...	..	1	...	4	...	..	...	...	...	2	...	....	H

TABLE 43—DEATHS FROM CERTAIN CAUSES IN TOWNS AND

	Typhoid and paratyphoid fever	Measles	Scarlet fever	Whooping-cough	Diphtheria	Influenza	Poliomyelitis and polioencephalitis (acute)	Epidemic cerebrospinal meningitis	Tetanus	Tuberculosis	Syphilis	Diseases of the thyroid and parathyroid glands	Bronchitis	Pneumonia	Pleurisy	Puerperal septicaemia
Total towns and villages of 1,000 population and under 5,000...	**3**	**4**	**3**	**11**		**169**		**4**		**72**	**6**	**17**	**6**	**200**	**7**	**2**
Acton						1				1						
Alexandria						1				2				1		
Alliston										1				4		
Almonte						1				1				1	1	
Amherstburg						1								3		
Arnprior				2		3				1				1		
Arthur						6								2		
Aurora						2								1		
Aylmer						2						1		1		
Bancroft						2								5		
Barry's Bay						1										
Beamsville						2										
Blenheim														3		
Blind River				2										6		
Bowmanville						2				1		1		1		
Bracebridge														5		
Brighton						1				1						
Burlington						1						2		2		
Cache Bay																
Caledonia						1										
Campbellford						1								1		
Capreol										2						
Cardinal																
Carleton Place						2				3				2		
Casselman	1													1		
Chesley														2		
Chesterville						1								2		
Chippawa										1		1				
Clinton						3								3		
Cobalt										2						
Cochrane						1				5		1		1		
Coniston																
Copper Cliff				1			1							1		
Delhi						1					1			1		
Deseronto																
Dresden										1						
Dryden											1			1		
Dunnville		2				2				1				2		
Durham						5								3		
Eganville						1										
Elmira						2										
Elora																
Essex						1						1				
Exeter						3								2		
Fergus										2		1		2		
Forest																
Gananoque						2						1		3		
Georgetown						1					1			1		
Geraldton																
Goderich	1					8				1				3		
Gravenhurst								1						2		
Grimsby																
Hagersville														3		
Haileybury			1							15					1	
Hanover						1								5		
Harriston																
Harrow						1										
Havelock						1										
Hespeler												1		4		
Humberstone														4		
Huntsville						1										
Iroquois														1		
Iroquois Falls				1										2		
Kapuskasing		1												5		
Keewatin																
Kemptville																
Kincardine						1				1				1		
Kingsville						2								1		
Lakefield																
Listowel						1								1		
Little Current										1						
Long Branch																
Lucknow						1						1				
Madoc				1										4		
Markham																
Mattawa						4				2				2		
Meaford						1				1		1		5		
Merritton						3				1						

VILLAGES OF 1,000 POPULATION AND UNDER 5,000—ONTARIO, 1939

	Typhoid and paratyphoid fever	Measles	Scarlet fever	Whooping-cough	Diphtheria	Influenza	Poliomyelitis and polioencephalitis (acute)	Epidemic cerebrospinal meningitis	Tetanus	Tuberculosis	Syphilis	Diseases of the thyroid and parathyroid glands	Bronchitis	Pneumonia	Pleurisy	Puerperal septicaemia
Milton						6				1				1		
Mitchell						2				1				3		
Morrisburg				1		1								1		
Mount Forest						1								1		
Napanee						2							1	2		
New Hamburg														1		
New Liskeard				1										1		
Newmarket						3				1		1		5		
Niagara														1		
Norwich						5										
Oakville						1								1		
Orangeville						3		1						2		
Palmerston						1								1		
Paris						2								1		
Parkhill						1								1		
Parry Sound		1				7				4				3		
Penetanguishene			2											1		
Perth						4				1				6	1	
Petrolia						1				1		1		2		
Picton						2				1			3	5		
Point Edward																
Port Credit										1						
Port Dalhousie																
Port Dover										2				3		
Port Elgin														1	1	
Port Hope						6					1			4		
Port Perry						1								3		
Prescott						3								2		
Rainy River						1										
Richmond Hill														1		
Ridgetown						2				1	1			1		
Rockcliffe Park																
Rockland						1										
St. Mary's																
Seaforth						1								3		
Shelburne						1							1			
Sioux Lookout										3				3		
Southampton												1				
Stayner																
Stouffville						2				1				1		
Strathroy						6				1				8	1	
Sturgeon Falls	1					2				1				7		1
Tavistock																
Tecumseh						2										
Thessalon						2				1						
Tilbury						1										
Tillsonburg				2		11		1		1		1		2		
Tweed														2		
Uxbridge						2								1		
Vankleek Hill											1	1		4	1	
Walkerton						1										1
Wallaceburg						2								2		
Waterford						1									1	
Wiarton														2		
Winchester										2				2		
Wingham						1				1			1	2		

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